LOCATIONS OF GEOPHYSICAL INSTRUMENTS AND SURVEY POINTS OPERATED UNDER THE EARTHQUAKE PREDICTION ELEMENT OF THE EARTHQUAKE HAZARDS REDUCTION PROGRAM

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U. S. Geological Survey

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This report is preliminary and has not been reviewed for conformity with USGS editorial standards and stratigraphic nomenclature.

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This open-file report contains a series of maps and a list of the various geophysical monitoring sites (stations) operated by the U. S. Geological Survey and its contractors under the Earthquake Prediction Research Program. The purpose of this open file report is to provide information on type, location, frequency of measurement, and principal investigator for observations being made in California.

The USGS-operated stations are on maps showing the locations of strainmeters (Johnston), seismometers (Cal Net), alignment (Burford), creepmeters (Mavko and Schulz), tiltmeters (Mortensen), water level, soil cups and radon monitoring in wells (King), portable, permanent and survey magnetometers (Johnston), helium monitoring in soil (Reimer), gravity (Jachens) level lines (Thatcher), and trilateration lines (Savage).

The maps of stations operated under contract show the locations of gravity (Fett, Earth Sci. & Eng.), strainmeters (Clark, Leighton and Associates), seismometers (Allen, Cal Tech; Teng, USC), alignment arrays and creepmeters (Allen, Cal Tech; Galehouse, SFSU), water levels (Lamar and Merifield; Teng, USC), radon monitoring in wells and springs (Shapiro, Cal Tech; Teng, USC; Craig and Chung, Scripps), resistivity (Madden, MIT), levels (Sylvester, UCSB), dry tilt (Sylvester, UCSB), and trilateration lines (Slater).

The USGS strainmeters are 10 m, 3-component instruments sampled at 10 minute intervals. The UCSD Pinon flat strainmeter is a 3-component, 800 m,

laser interferometer device. Bruce Clark's strainmeters (or stressmeters) are vibrating wire transducers installed in shallow boreholes and sampled at fortnightly periods. The carbon-fiber strainmeters (Bilham and Teng) are long-baseline (ca. 100 m) continuously recording instruments installed in tunnels.

Tiltmeters are bubble-meters of the Rockwell/Kinemetrics type installed in shallow boreholes and are sampled at 10 minute intervals.

Alignment arrays are fault-crossing arrays of monuments surveyed at intervals of a few months to a few years. They are designed to measure fault displacement, and to guide emplacement of creepmeters. The creepmeters are ~10 m long wires stretched through buried tubes crossing faults at about 30°. They are recorded in the field and, in some cases, are telemetered.

Level lines include short, fault-crossing lines surveyed at intervals of a few months to a few years (Sylvester). The longer lines are 30 to 100 km lines in the Transverse Ranges surveyed annually (USGS). Dry tilt arrays (Sylvester) are small aperture clusters of 3 to 6 benchmarks surveyed bimonthly to search for anomalous tilts.

The trilateration lines (USGS) are 10 to 35 km in length and are measured annually using a laser ranging device (Geodolite). Smaller, fault-crossing arrays of lines from one to a few km in length are measured annually or more frequently. Two arrays, one near San Juan Bautista and the other near Palmdale, include 10 to 12 lines a few km in length. The Palmdale array is surveyed daily, using a 2 wavelength laser-ranging device (Slater).

Gravity stations in southern California are re-occupied at intervals from 1 month (Fett) to one year (USGS).

Magnetometer survey sites are re-occupied annually (Pormag) for intervals of 5 to 7 days, semi-annually for 10 minutes (Surmag) or operate continuously (Permag). The instruments are total field proton magnetometers.

Radon gas emanating from water wells (WRn), springs (SpRn), and from the soil (SRn) is monitored by several different techniques. Most sites are sampled with the water taken back to the lab for counting. Sampling intervals are 2 weeks to a month. Continuous monitoring of radon is conducted at several sites, in some cases, in conjunction with water temperature, water level and other relevant measurements. Radon emanating from the soil is collected in cups 1 m deep which provide an integrated measure over the biweekly interval between collections.

Water levels (WW) are monitored in wells by continuous, float-type recorders, or by periodic site visits. Most wells are now also visited fortnightly or monthly for measurements of water temperature, salinity, and electrical conductivity. The MISC stations in this listing represent wells in which continuous measurements of water level, temperature, turbidity and radon, and acoustic and RF emissions are either planned or in operation.

The resistivity measurements are carried out in two arrays, near Hollister and near Palmdale, using passive arrays to detect telluric signals. Resistivity is obtained by tensor cancellations of the telluric signals received on the various dipoles.

The seismograph stations are principally vertical, 1 second, high-gain telemetered seismic stations. Included in the list are some 3-component and low-gain stations but these are not identified as such.

These maps were compiled using a plotting program called "Epimap". Epimap was written by E. Cranswick of Lamont-Doherty Geological Observatory to plot epicenters recorded by the New York state array. Epimap plots maps and epicenters (in this case, station locations) using a mercator conformal projection. The digitization of the faults and the California borders were supplied by Frederick Lester (USGS). These maps were made at 1:1,000,000 scale and

then reduced to page size. Limited copies of the full-sized maps are available if you require one.

The coordinates for the station locations were supplied by each contractor for their sites. Some of the USGS-operated station coordinates are from Open-File 80-704 (W.B. Daul), with additions and corrections having been made.

All station coordinates are available on magnetic tape. An updated supplement of this report will be made available periodically. Corrections, changes, or additions to this report will be mailed out to contractors routinely. New information should be sent to:

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345 Middlefield Road, Mail Stop 77
Menlo Park, California 94025
(415) 323-8111 x 2894

Please notify this office of any corrections, changes or additions.

LISTING OF PRINCIPAL INVESTIGATORS

PI	Abbreviation Used in Report
Dr. Clarence Allen California Inst. of Technology Seismological Laboratory Pasadena, CA 91125	CIT/ALLEN
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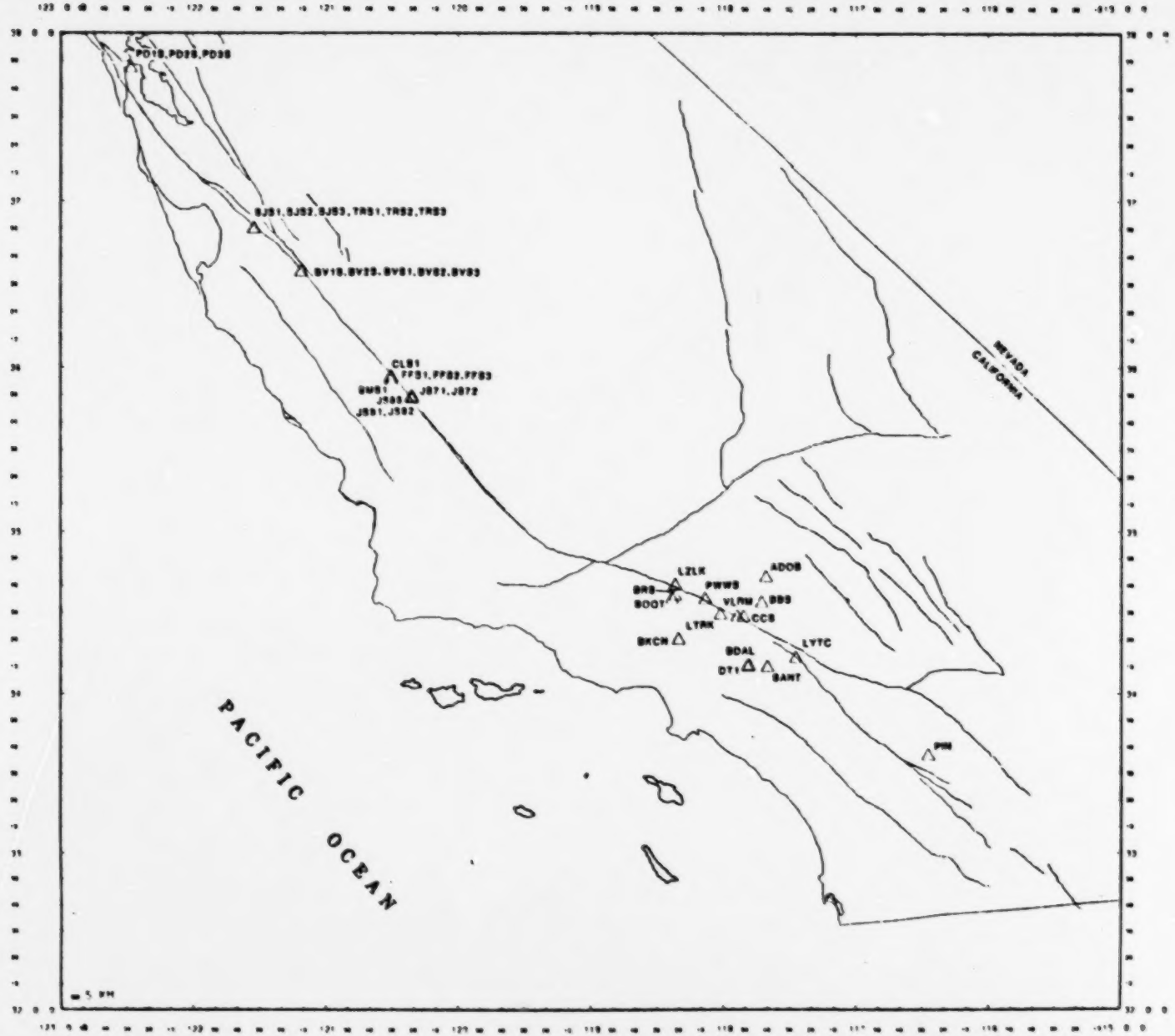
Dr. Arthur Sylvester University of California Marine Science Institute Santa Barbara, CA 93106	UCSB/SYLVES
Dr. Ta-Liang Teng Univ. of Southern California Dept. Geological Sciences Los Angeles, CA 90007	USC/TENG
Dr. Wayne Thatcher U. S. Geological Survey 345 Middlefield Road Mail Stop 77 Menlo Park, CA 94025	USGS/THAT
Dr. Frank Wyatt University of California Inst. of Geophys. & Planetary Phys. Scripps Inst. of Oceanography, A-025 La Jolla, CA 92093	UCSD/WYATT

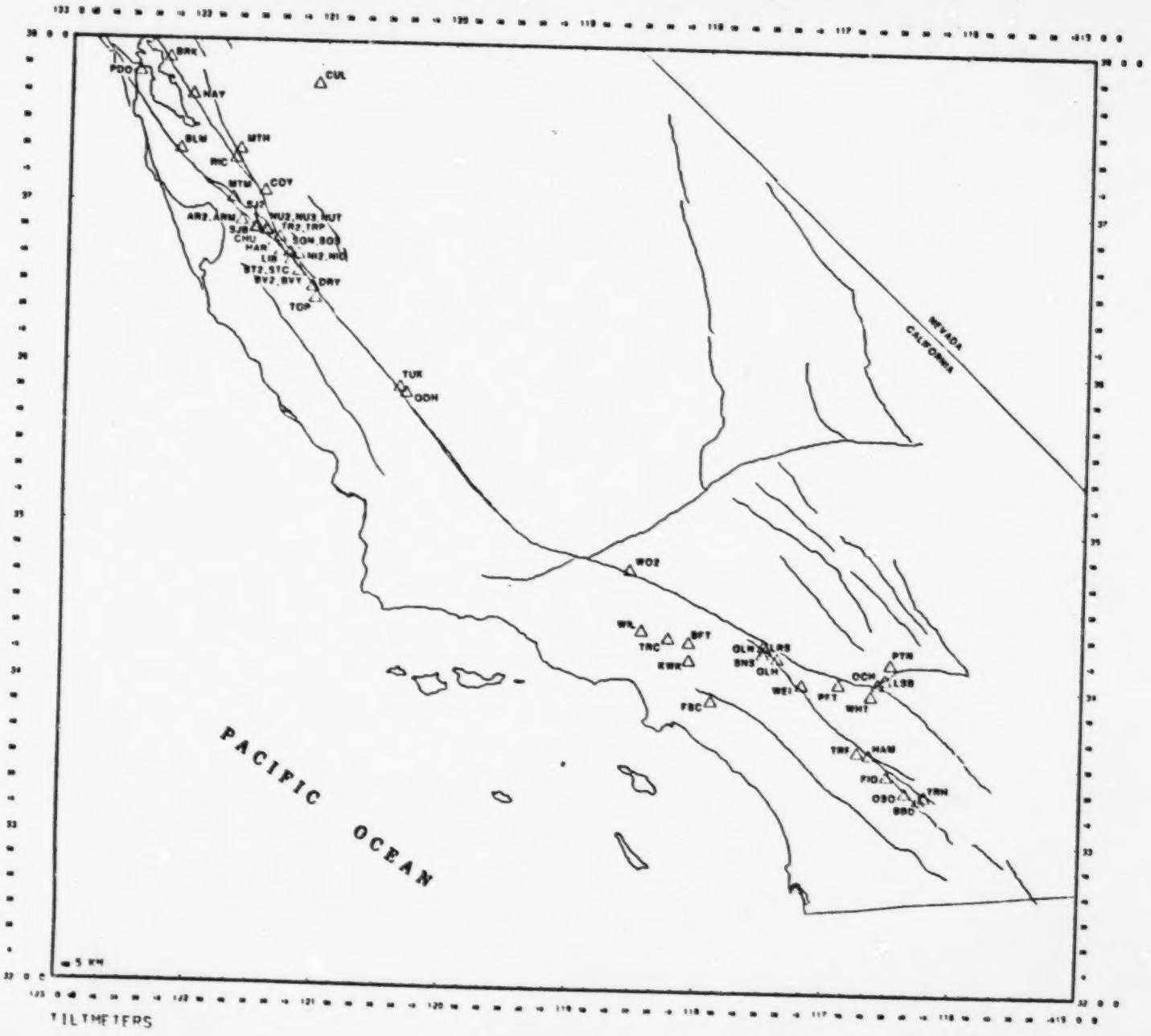


STRAINMETERS

Strainmeters

Abbr.	Latitude	Longitude	Interval	Sta. Name	PI	Inst
ADOB	34 42.78	117 40.88	CON	ADOBE MTN	* USGS/JOHNS	STRAIN
BBS	34 33.38	117 42.87	CON	BLACK BUTTE	* USGS/JOHNS	STRAIN
BRS	34 36.00	118 22.0	CON	BOUQUET		
CCS	34 28.18	117 51.08	CON	CRYSTALLAIRE	* USGS/JOHNS	STRAIN
DTl	34 09.75	117 49.15	CON	DALTON TUN 1	USC/TENG	STRAIN
BOQT	34 34.92	118 23.34	90	BOUQUET RES	LA-DO/BLM	STRAIN
PIN	33 36.54	116 27.54	CON	PINON FLAT OB	UCSD/WYATT	OBS
LZLK	34 39.84	118 21.93	14	ELIZABETH LAK	LA/CLARK	STRESM
PWWS	34 34.68	118 08.46	14	PALMD WATERWO	LA/CLARK	STRESS
LTRK	34 29.01	118 01.52	14	LITTLE ROCK	LA/CLARK	STRESS
VLRM	34 28.28	117 53.89	14	VALYERMO	LA/CLARK	STRESS
LYTC	34 12.89	117 27.42	14	LYTLE CREEK	LA/CLARK	STRESS
SANT	34 09.52	117 40.21	14	SAN ANTONIO	LA/CLARK	STRESM
BDAL	34 10.14	117 48.57	14	BIG DALTON	LA/CLARK	STRESS
BKCN	34 19.69	118 20.42	14	BUCK CANYON	LA/CLARK	STRESM
BV1S	36 34.32	121 11.10	CON	BEAR VALLEY	USGS/JOHNS	STRAIN
BV2S	36 34.32	121 11.10	CON	BEAR VALLEY	USGS/JOHNS	STRAIN
BVS1	36 34.32	121 11.04	CON	BEAR VALLEY	USGS/JOHNS	STRAIN
BVS2	36 34.32	121 11.04	CON	BEAR VALLEY	USGS/JOHNS	STRAIN
BVS3	36 34.32	121 11.04	CON	BEAR VALLEY	USGS/JOHNS	STRAIN
CLS1	35 56.46	120 30.66	CON	CLASSEN RANCH	USGS/JOHNS	STRAIN
FFS1	35 55.68	120 30.90	CON	FLINGE FLAT	USGS/JOHNS	STRAIN
FFS2	35 55.68	120 30.90	CON	FLINGE FLAT	USGS/JOHNS	STRAIN
FFS3	35 55.68	120 30.90	CON	FLINGE FLAT	USGS/JOHNS	STRAIN
JS71	35 49.08	120 21.18	CON	PARKFIELD	USGS/JOHNS	STRAIN
JS72	35 49.08	120 21.18	CON	PARKFIELD	USGS/JOHNS	STRAIN
JS81	35 48.48	120 21.12	CON	PARKFIELD	USGS/JOHNS	STRAIN
JS82	35 48.48	120 21.12	CON	PARKFIELD	USGS/JOHNS	STRAIN
JS85	35 48.84	120 21.60	CON	PARKFIELD	USGS/JOHNS	STRAIN
PD1S	37 47.40	122 28.10	CON	PRESIDIO	USGS/JOHNS	STRAIN
PD2S	37 47.40	122 28.10	CON	PRESIDIO	USGS/JOHNS	STRAIN
PD3S	37 47.40	122 28.10	CON	PRESIDIO	USGS/JOHNS	STRAIN
SJS1	36 49.80	121 32.58	CON	SAN JUAN	USGS/JOHNS	STRAIN
SJS2	36 49.80	121 32.58	CON	SAN JUAN	USGS/JOHNS	STRAIN
SJS3	36 49.80	121 32.58	CON	SAN JUAN	USGS/JOHNS	STRAIN
SMS1	35 54.96	120 30.36	CON	SAN MIGUELENO	USGS/JOHNS	STRAIN
TRS1	36 49.80	121 32.40	CON	TIERRA	USGS/JOHNS	STRAIN
TRS2	36 49.80	121 32.40	CON	TIERRA	USGS/JOHNS	STRAI
TRS3	36 49.80	121 32.40	CON	TIERRA	USGS/JOHNS	STRAI

* These strainmeters are Sacks dilatometers.


PACIFIC OCEAN
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MTM
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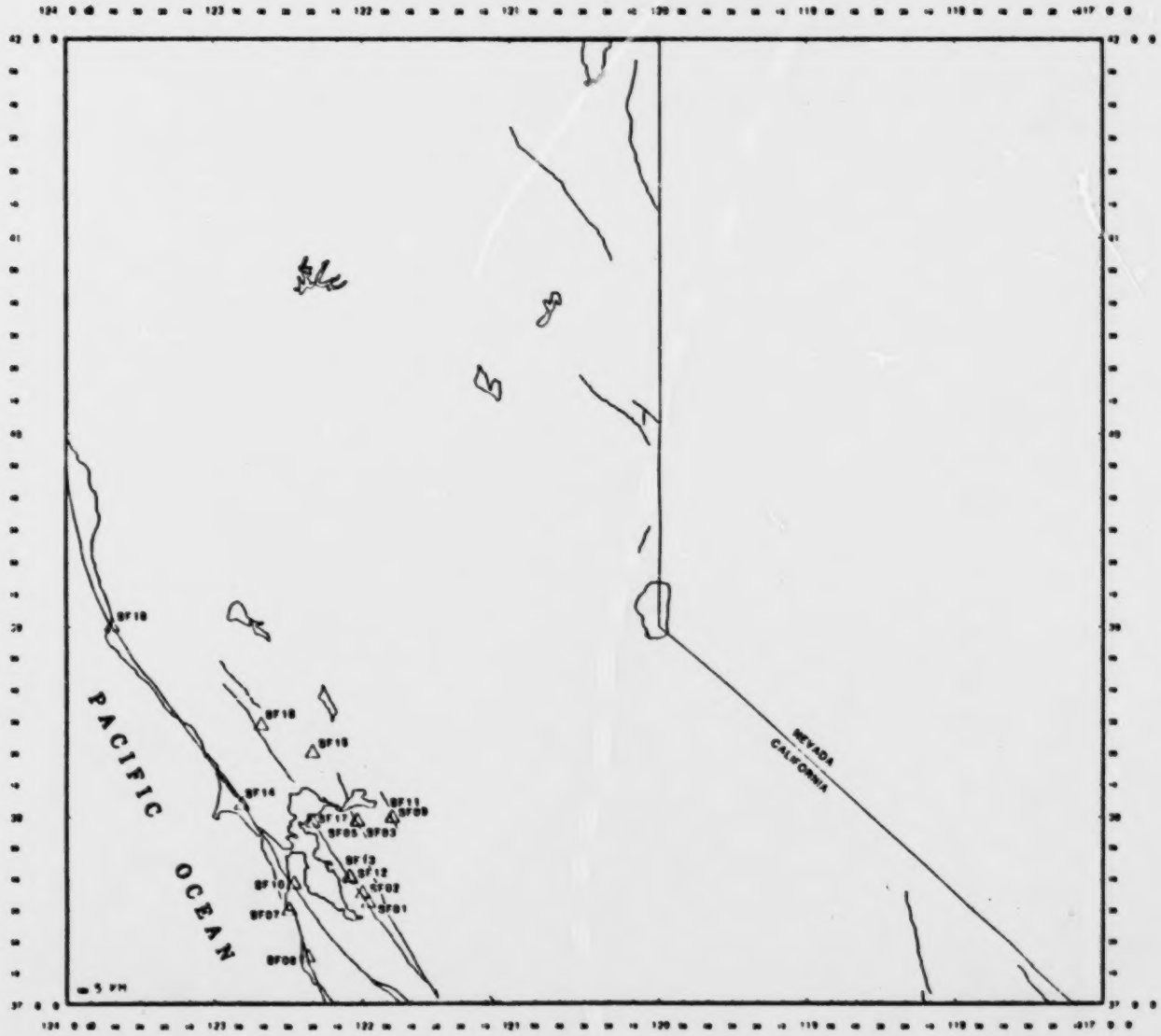
SJB
CHU
HAR
LIB
NU2
NU3
HUT
TR2
TRP
SON
SOB
NH2
NHC
BT2
STC
BV2
BVT
DRY
TOP
TUK
OOH
WO2
WRL
TRC
BPT
KWK
GLH
LRS
SNS
PTN
OCH
LSB
WEI
PFT
WHT
FSC
TRF
HAM
PIO
OSO
SBD
TRH
5 KM

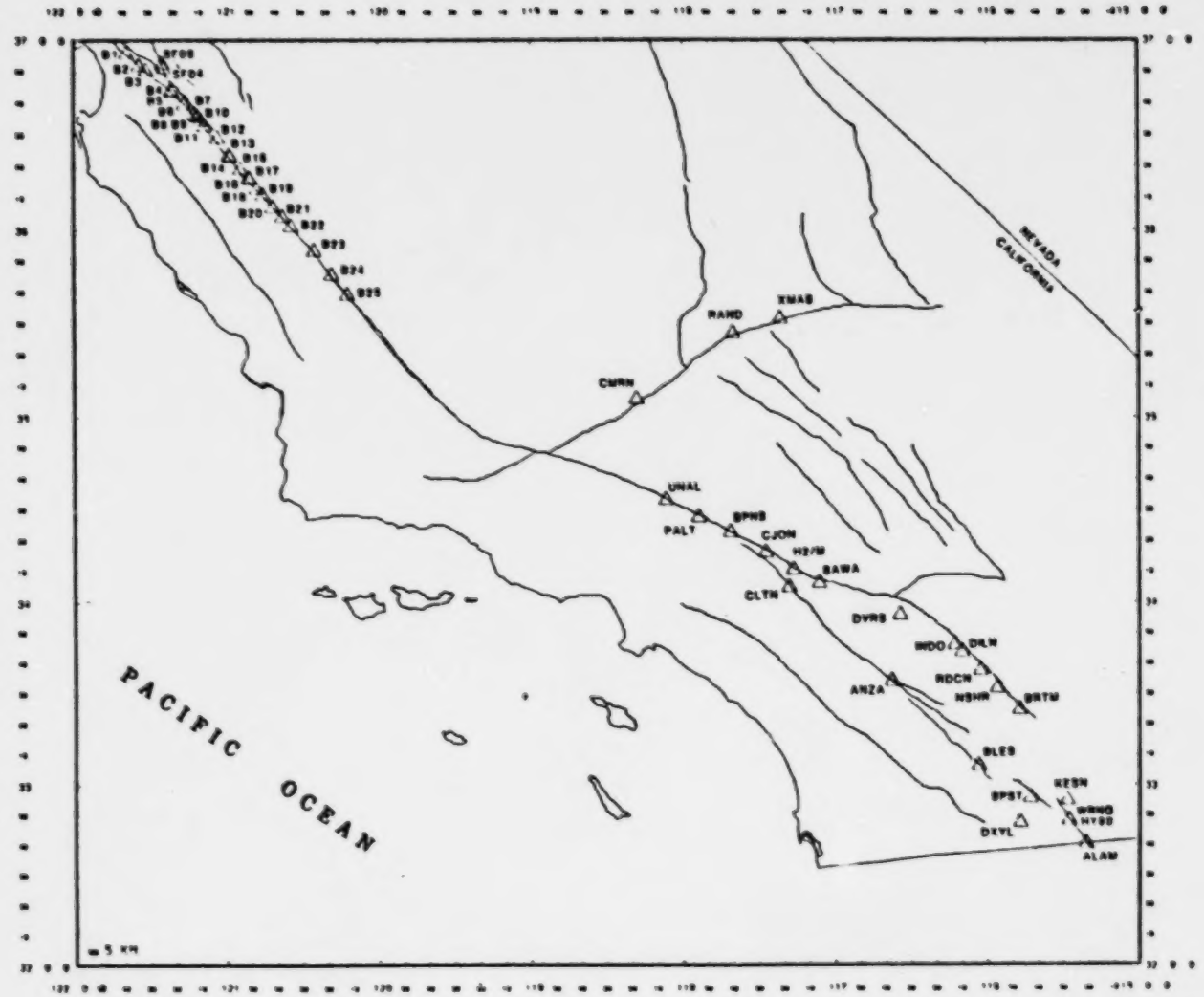
TILTMETERS

Tiltmeters

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
AR2	36 52.80	121 39.00	CON	AROMAS2	USGS/MORTEN	TILT
ARM	36 52.80	121 39.00	CON	AROMAS1	USGS/MORTEN	TILT
BBD	33 17.22	116 15.78	CON	BORREGO BADLA	USGS/MORTEN	TILT
BFT	34 16.38	118 04.86	CON	BARLEY FLAT	USGS/MORTEN	TILT
BLM	37 19.02	122 08.16	CON	BLACK MTN	USGS/MORTEN	TILT
BRK	37 52.62	122 14.10	CON	BERKELEY	USGS/MORTEN	TILT
BV2	36 34.26	121 11.70	CON	BEAR VLY 2	USGS/MORTEN	TILT
BVY	36 34.26	121 11.70	CON	BEAR VLY 1	USGS/MORTEN	TILT
CHU	36 47.94	121 28.14	CON	CHURCH VLY	USGS/MORTEN	TILT
COY	37 03.96	121 28.14	CON	COYOTE	USGS/MORTEN	TILT
CUL	37 43.92	122 04.02	CON	CULL CRK	USGS/MORTEN	TILT
DRY	36 28.62	121 05.16	CON	DRY LAKE	USGS/MORTEN	TILT
FIG	33 26.28	116 30.96	CON	FIG TREE VLY	USGS/MORTEN	TILT
FSC	33 54.00	117 54.00	CON	FULLERTON S C	USGS/MORTEN	TILT
GLH	34 10.86	117 23.28	CON	GLEN HELEN	USGS/MORTEN	TILT
GLN	34 15.60	117 29.64	CON	GLEN RANCH	USGS/MORTEN	TILT
GOH	35 49.62	120 19.98	CON	GOLD HILL	USGS/MORTEN	TILT
HAM	33 34.26	116 39.48	CON	HAMILTON S	USGS/MORTEN	TILT
HAR	36 45.18	121 23.76	CON	SAGO	USGS/MORTEN	TILT
HAY	37 39.12	122 02.88	CON	HAYWARD	USGS/MORTEN	TILT
KWK	34 09.60	118 04.74	CON	KWKW RADIO	USGS/MORTEN	TILT
LIB	36 41.64	121 20.58	CON	LIBBY	USGS/MORTEN	TILT
LRS	34 14.04	117 28.74	CON	LYTLE CK R S	USGS/MORTEN	TILT
LSB	34 03.48	116 32.46	CON	LITTLE SAN BE	USGS/MORTEN	TILT
MTH	37 19.26	121 40.02	CON	MT HAMILTON	USGS/MORTEN	TILT
MTM	37 01.20	121 43.20	CON	MT MADONNA	USGS/MORTEN	TILT
NI2	36 40.56	121 12.00	CON	NEW IDRIA 2	USGS/MORTEN	TILT
NID	36 40.62	121 12.00	CON	NEW IDRIA 1	USGS/MORTEN	TILT
NU2	36 49.44	121 27.36	CON	NUTTING	USGS/MORTEN	TILT
NU3	36 49.26	121 27.00	CON	NUTTING	USGS/MORTEN	TILT
NUT	36 49.32	121 27.18	CON	NUTTING	USGS/MORTEN	TILT
OCH	34 01.68	116 35.88	CON	OLD CAN HS	USGS/MORTEN	TILT
OSO	33 19.74	116 22.38	CON	OSO RANCH	USGS/MORTEN	TILT
PDO	37 47.40	122 28.10	CON	PRESIDIO	USGS/MORTEN	TILT
PFT	34 01.32	116 54.36	CON	PINE FLAT	USGS/MORTEN	TILT
PTN	34 09.36	116 30.12	CON	PIONEER TWN	USGS/MORTEN	TILT
RIC	37 15.84	121 42.18	CON	RICHMOND	USGS/MORTEN	TILT
SGN	36 40.98	121 16.02	CON	SAGE NORTH	USGS/MORTEN	TILT
SGS	36 40.98	121 16.02	CON	SAGE SOUTH	USGS/MORTEN	TILT
SJB	36 50.10	121 32.46	CON	SAN JUAN BAUT	USGS/MORTEN	TILT
SJ2	36 50.10	121 32.46	CON	SAN JUAN BAUT	USGS/MORTEN	TILT
SNS	34 12.66	117 30.18	CON	SAN SEVAINE	USGS/MORTEN	TILT
ST2	36 38.40	121 15.60	CON	STONE CAN 2	USGS/MORTEN	TILT
STC	36 38.40	121 15.60	CON	STONE CANYON	USGS/MORTEN	TILT
TOP	36 24.42	121 03.72	CON	TOPO VLY	USGS/MORTEN	TILT
TR2	36 46.80	121 21.00	CON	TRES PINOS 2	USGS/MORTEN	TILT
TRC	34 17.88	118 14.70	CON	TRAIL CANYON	USGS/MORTEN	TILT
TRF	33 35.22	116 45.00	CON	TRIPP FLAT	USGS/MORTEN	TILT
TRH	33 18.42	116 13.20	CON	TRUCK HAVEN	USGS/MORTEN	TILT
TRP	36 46.80	121 21.00	CON	TRES PINOS 1	USGS/MORTEN	TILT
TUK	35 51.78	120 22.98	CON	TURKEY FLAT	USGS/MORTEN	TILT
WEI	34 00.90	117 11.64	CON	WEILENGA RANC	USGS/MORTEN	TILT
WHT	33 57.12	116 39.06	CON	WHITE WATER	USGS/MORTEN	TILT
WIL	34 20.64	118 27.18	CON	WILSON CANYON	USGS/MORTEN	TILT
WO2	34 43.74	118 33.24	CON	LAKE HUGHES	USGS/MORTEN	TILT


PACIFIC OCEAN
NEVADA
CALIFORNIA
BF16
BF18
BF15
BF14
BF11
BF09
BF17
BF05
BF03
BF13
BF12
BF02
BF10
BF01
BF07
BF08
5 KM

ALIGNMENT


PACIFIC OCEAN
NEVADA
CALIFORNIA
RAND
XMAS
CWRN
UNAL
PALT
BPMB
CJON
H2/M
BAWA
CLTN
DVRS
RDO
DRLN
RDCN
NSHR
ANZA
BRTW
BLES
BPST
KESN
WRHO
HY90
DXYL
ALAM
5 KM

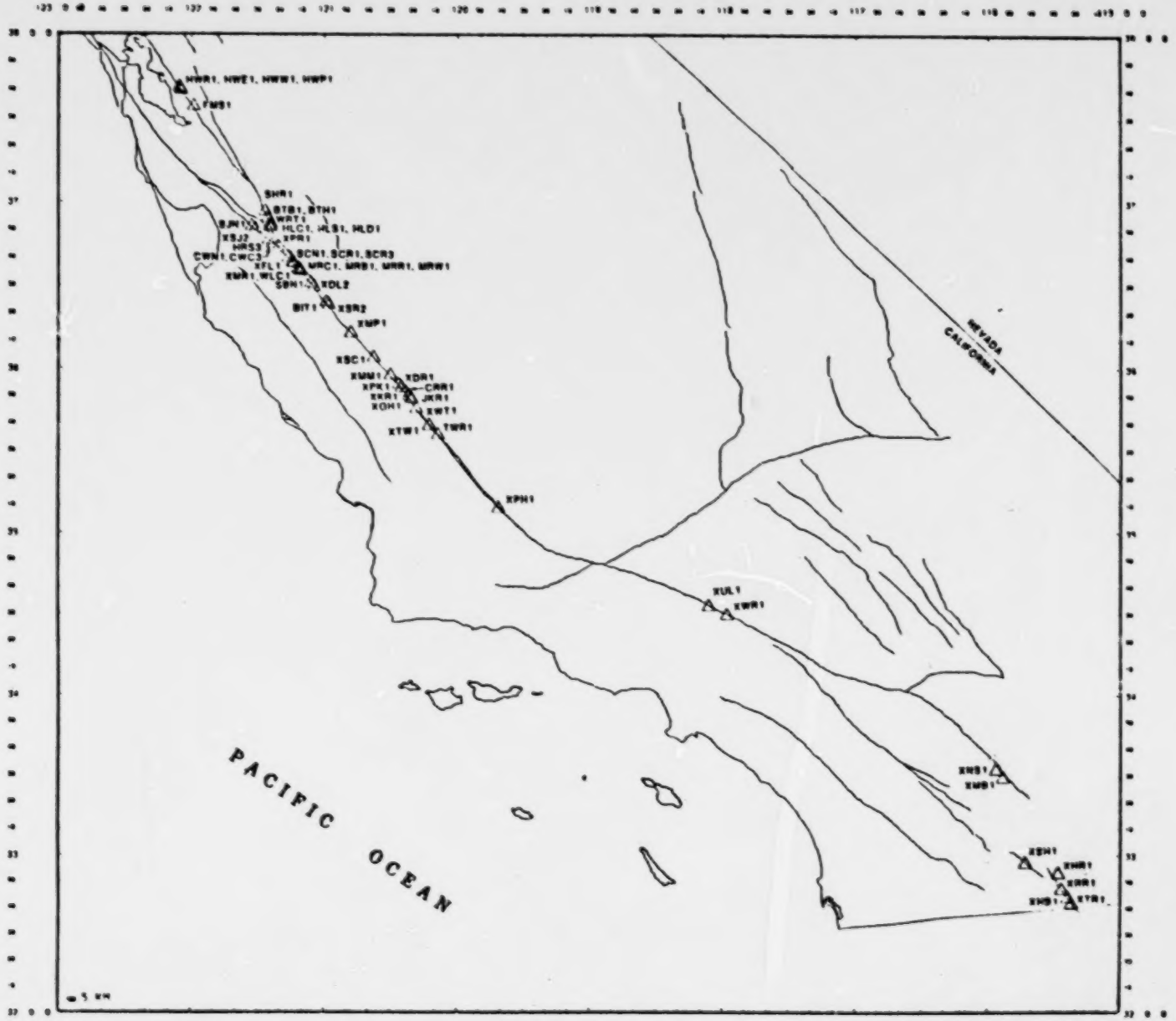
ALIGNMENT

Alignment

b1	36	55.60	121	38.90
b2	36	51.90	121	33.50
b3	36	50.20	121	31.20
b4	36	43.80	121	21.30
b5	36	43.20	121	20.80
b6	36	39.50	121	16.30
b7	36	36.30	121	12.10
b8	36	35.70	121	11.10
b9	36	35.60	121	11.07
b10	36	34.44	121	09.81
b11	36	32.60	121	08.10
b12	36	28.90	121	03.10
b13	36	23.30	120	58.50
b14	36	23.00	120	58.16
b15	36	19.00	120	54.10
b16	36	16.10	120	50.80
b17	36	15.90	120	50.50
b18	36	12.80	120	47.90
b19	36	10.80	120	45.40
b20	36	07.20	120	41.50
b21	36	03.90	120	37.70
b22	36	00.90	120	34.30
b23	35	53.10	120	25.30
b24	35	45.40	120	18.43
b25	35	39.10	120	12.30
ALAM	32	40.62	115	21.48
ANZA	33	34.02	116	37.80
BLES	33	06.18	116	03.60
BRTM	33	24.72	115	47.52
BPNS	34	22.68	117	41.40
CMRN	35	05.70	118	18.30
CJON	34	16.08	117	27.48
XMAS	35	31.50	117	21.72
CLTN	34	04.80	117	18.30
DVRS	33	55.80	116	34.62
DILN	33	43.68	116	10.20
DXYL	32	47.40	115	47.22
HY80	32	48.18	115	28.02
INDO	33	46.02	116	13.02
KESN	32	54.90	115	28.68
NSHR	33	31.80	115	56.40
PALT	34	27.48	117	53.88
RAND	35	26.82	117	40.38
RDCN	33	37.62	116	02.88
SAWA	34	06.18	117	06.42
SPST	32	55.62	115	43.32
UNAL	34	33.12	118	06.78
H2/M	34	10.50	117	16.62
WRNG	32	48.18	115	28.02

	chamberlain	usgs/burf	alignm
	avilla	usgs/burf	alignm
	san juan	usgs/burf	alignm
	cienega vly	usgs/burf	alignm
	paicines ranch	usgs/burf	alignm
	lewis ranch	usgs/burf	alignm
	cross willow	usgs/burf	alignm
	willow creek	usgs/burf	alignm
	melendy ranch	usgs/burf	alignm
	river terrace	usgs/burf	alignm
	pinnacles	usgs/burf	alignm
	dry lake	usgs/burf	alignm
	eade ranch	usgs/burf	alignm
	smith ranch	usgs/burf	alignm
	dealvarez ranch	usgs/burf	alignm
	austin peak	usgs/burf	alignm
	kenner lake	usgs/burf	alignm
	monarch peak	usgs/burf	alignm
	mee ranch	usgs/burf	alignm
	peachtree vly	usgs/burf	alignm
	slack canyon	usgs/burf	alignm
	bagby ranch	usgs/burf	alignm
	durham ranch	usgs/burf	alignm
	water tank	usgs/burf	alignm
	palo prieto	usgs/burf	alignm
180	ALL AMER CANA	CIT/ALLEN	ALIGNM
180	ANZO	CIT/ALLEN	ALIGNM
180	BAILEYS WELL	CIT/ALLEN	ALIGNM
180	BERTRAM	CIT/ALLEN	ALIGNM
180	BIG PINES	CIT/ALLEN	ALIGNM
180	CAMERON	CIT/ALLEN	ALIGNM
180	CAJON	CIT/ALLEN	ALIGNM
180	CHRISTMAS	CIT/ALLEN	ALIGNM
180	COLTON	CIT/ALLEN	ALIGNM
180	DEVERS HILL	CIT/ALLEN	ALIGNM
180	DILLON ROAD	CIT/ALLEN	ALIGNM
180	DIXIELAND	CIT/ALLEN	ALIGNM
180	HIGHWAY 80	CIT/ALLEN	ALIGNM
180	INDIO HILLS	CIT/ALLEN	ALIGNM
180	KEYSTONE ROAD	CIT/ALLEN	ALIGNM
180	NORTH SHORE	CIT/ALLEN	ALIGNM
180	PALLETT CREEK	CIT/ALLEN	ALIGNM
180	RAND	CIT/ALLEN	ALIGNM
180	RED CANYON	CIT/ALLEN	ALIGNM
180	SANTA ANA WAS	CIT/ALLEN	ALIGNM
180	SUPERSTITION	CIT/ALLEN	ALIGNM
180	UNA LAKE	CIT/ALLEN	ALIGNM
180	WATERMAN CANY	CIT/ALLEN	ALIGNM
180	WORTHINGTON R	CIT/ALLEN	ALIGNM

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
SF01	37 32.52	121 57.66	60	ROCKETT DRIVE	SFS/GLHS	ALIGNM
SF02	37 35.52	122 00.06	60	APPIAN WAY	SFS/GLHS	ALIGNM
SF03	37 58.32	122 02.04	60	ASHBURY DRIVE	SFS/GLHS	ALIGNM
SF04	36 50.94	121 24.30	180	SEVENTH STR	SFS/GLHS	ALIGNM
SF05	37 58.62	122 02.22	60	SALVIO STREET	SFS/GLHS	ALIGNM
SF06	36 52.20	121 24.72	180	WRIGHT ROAD	SFS/GLHS	ALIGNM
SF07	37 30.24	122 29.76	90	WEST POINT AV	SFS/GLHS	ALIGNM
SF08	37 15.24	122 22.20	90	PESCADERO RD	SFS/GLHS	ALIGNM
SF09	37 59.52	121 47.94	90	GARROW DRIVE	SFS/GLHS	ALIGNM
SF10	37 38.58	122 27.78	90	DULHALLOW WAY	SFS/GLHS	ALIGNM
SF11	37 59.64	121 48.06	90	WORRELL RD	SFS/GLHS	ALIGNM
SF12	37 40.20	122 04.80	60	D STREET	SFS/GLHS	ALIGNM
SF13	37 40.80	122 05.40	60	ROSE STREET	SFS/GLHS	ALIGNM
SF14	38 03.78	122 48.96	90	SE END	SFS/GLHS	ALIGNM
SF15	38 20.16	122 20.34	60	LINDA VISTA A	SFS/GLHS	ALIGNM
SF16	38 28.86	122 41.10	90	NEILSON RD	SFS/GLHS	ALIGNM
SF17	37 58.14	122 20.22	60	CONTRA COSTA	SFS/GLHS	ALIGNM
SF18	38 59.94	123 41.28	180	ALDER CREEK	SFS/GLHS	ALIGNM

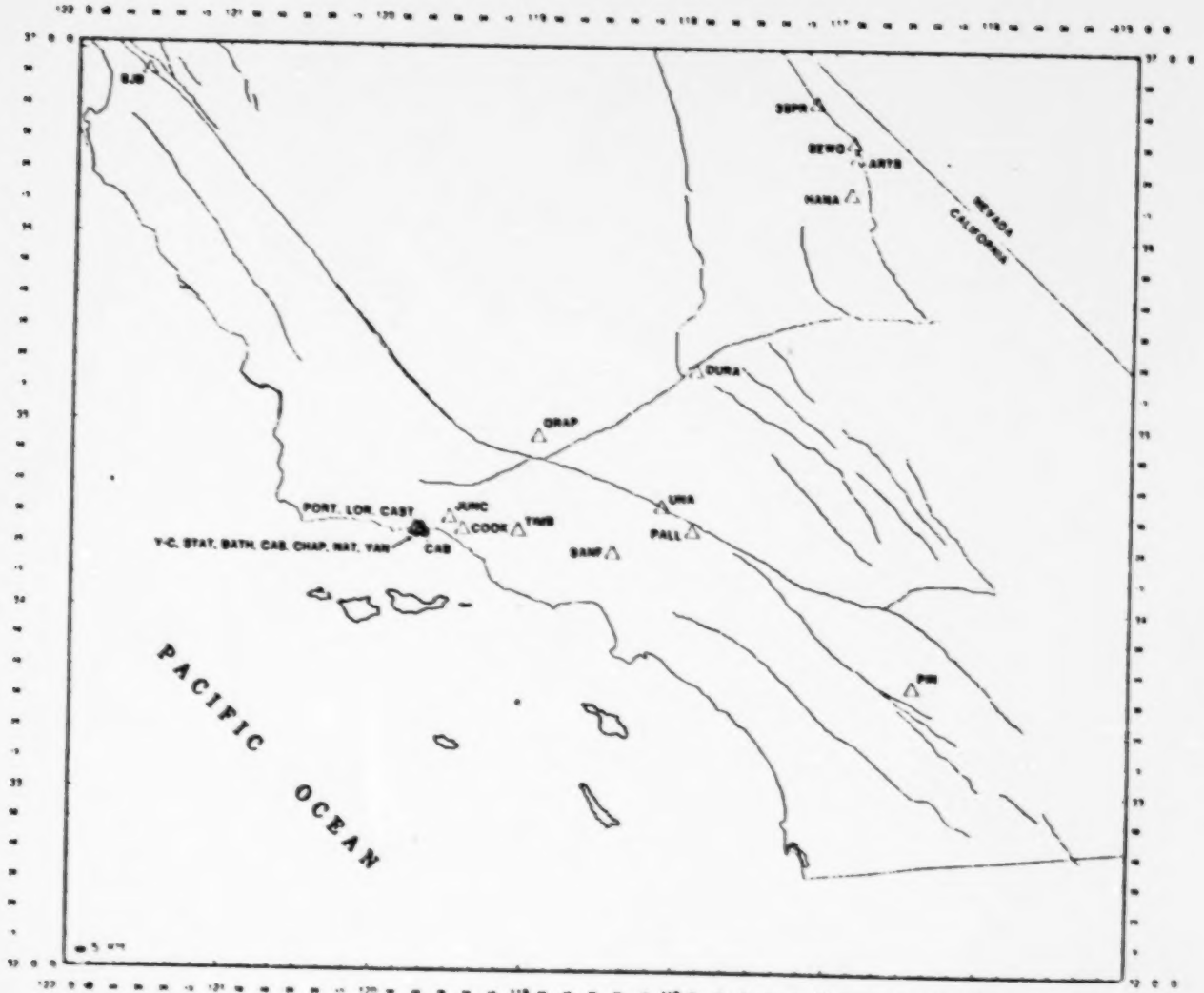


CREEPMETERS

C r e e p m e t e r s

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
BIT1	36 23.90	120 58.90	CON	BITTERWATER	USGS/MAVKO	CREEP
BTB1	36 54.10	121 25.60	CON	BERTUCCIO BAR	USGS/MAVKO	CREEP
BTH1	36 54.10	121 25.60	CON	BERTUCCIO HS	USGS/MAVKO	CREEP
CRR1	35 50.08	120 21.80	CON	CARR RANCH	USGS/MAVKO	CREEP
CWC1	36 45.00	121 23.10	CON	CIENEGA CENTR	USGS/MAVKO	CREEP
CWN1	36 45.00	121 23.10	CON	CIENEGA NORTH	USGS/MAVKO	CREEP
FMS1	37 34.10	121 58.90	CON	FREM. SHIN S	USGS/MAVKO	CREEP
HLC1	36 51.40	121 24.30	CON	HOLL. CENT AV	USGS/MAVKO	CREEP
HLD1	36 50.50	121 24.20	CON	HOLL. D STR	USGS/MAVKO	CREEP
HLS1	36 51.10	121 24.20	CON	HOLL. 7TH ST	USGS/MAVKO	CREEP
HRS3	36 46.30	121 25.30	CON	HARRIS	USGS/MAVKO	CREEP
HWE1	37 40.20	122 04.80	CON	HAY. D ST E	USGS/MAVKO	CREEP
HWP1	37 39.80	122 04.50	CON	HAY. PSADE ST	USGS/MAVKO	CREEP
HWR1	37 40.80	122 05.40	CON	HAY. ROSE ST	USGS/MAVKO	CREEP
HWW1	37 40.20	122 04.80	CON	HAY. D ST W	USGS/MAVKO	CREEP
JKR1	35 48.83	120 20.70	CON	JACK RANCH	USGS/MAVKO	CREEP
MRB1	36 35.40	121 11.00	CON	MELENDY BARN	USGS/MAVKO	CREEP
MRC1	36 35.50	121 11.10	CON	MELENDY CORL	USGS/MAVKO	CREEP
MRR1	36 35.30	121 10.90	CON	MELENDY RIVER	USGS/MAVKO	CREEP
MRW1	36 35.10	121 10.60	CON	MELENDY WINDM	USGS/MAVKO	CREEP
SBN1	36 30.80	121 06.00	CON	SAN BENITO	USGS/MAVKO	CREEP
SCN1	36 38.20	121 14.30	CON	STN CAN N	USGS/MAVKO	CREEP
SCR1	36 37.90	121 13.90	CON	STN CAN RIVER	USGS/MAVKO	CREEP
SCR3	36 37.90	121 13.90	CON	STN CAN RIVER	USGS/MAVKO	CREEP
SHR1	36 56.60	121 26.70	CON	SHORE RD	USGS/MAVKO	CREEP
SJN1	36 51.30	121 32.70	CON	NYLAND	USGS/MAVKO	CREEP
TWR1	35 35.80	120 08.80	CON	TWISSELMAN RAN	USGS/MAVKO	CREEP
WLC1	36 36.00	121 12.00	CON	WILLOW CRK	USGS/MAVKO	CREEP
WRT1	36 52.20	121 24.00*	CON	WRIGHT RD	USGS/MAVKO	CREEP
XDL2	36 29.50	121 04.70	CON	DRY LAKE LONG	USGS/MAVKO	CREEP
XDR1	35 53.00	120 25.20	CON	DURHAM RANCH	USGS/MAVKO	CREEP
XFL1	36 39.90	121 16.30	CON	FRANK LEWIS L	USGS/MAVKO	CREEP
XGH1	35 49.20	120 20.90	CON	GOLD HILL	USGS/MAVKO	CREEP
XKR1	35 51.50	120 23.50	CON	WORK RANCH	USGS/MAVKO	CREEP
XMM1	35 57.50	120 30.12	CON	MIDDLE MTN	USGS/MAVKO	CREEP
XMP1	36 12.80	120 47.90	CON	MONARCH PK	USGS/MAVKO	CREEP
XMR1	36 35.70	121 11.20	CON	MELENDY RANCH	USGS/MAVKO	CREEP
XPH1	35 08.90	119 41.48	CON	PANORAMA HILL	USGS/MAVKO	CREEP
XPK1	35 54.12	120 26.46	CON	PARKFIELD	USGS/MAVKO	CREEP
XPR1	36 43.40	121 20.90	CON	PAICINES RNCH	USGS/MAVKO	CREEP
XSC1	36 03.90	120 37.70	CON	SLACK CANYON	USGS/MAVKO	CREEP
XSJ2	36 50.20	121 31.20	CON	SAN JUAN BAUT	USGS/MAVKO	CREEP
XSR2	36 23.00	120 58.00	CON	SMITH RANCH 2	USGS/MAVKO	CREEP
XUL1	34 32.88	118 06.42	CON	UNA LAKE	USGS/MAVKO	CREEP
XWR1	34 29.58	117 58.20	CON	WEBB RANCH	USGS/MAVKO	CREEP
XWT1	35 45.40	120 18.50	CON	WATER TANK	USGS/MAVKO	CREEP
XSH1	32 56.82	115 43.32	90	SUPERSTITION HLS	CIT/ALLEN	CREEP
XHR1	32 52.98	115 28.50	CON	HARRIS ROAD	CIT/ALLEN	CREEP
XRR1	32 46.92	115 26.88	CON	ROSS ROAD	CIT/ALLEN	CREEP
XHB1	32 43.80	115 24.30	CON	HEBER ROAD	CIT/ALLEN	CREEP
XTR1	32 41.58	115 22.50	CON	TUTTLE RANCH	CIT/ALLEN	CREEP
XNS1	33 31.98	115 56.46	90	NORTH SHORE	CIT/ALLEN	CREEP
XMB1	33 28.98	115 53.40	CON	MECCA BEACH	CIT/ALLEN	CREEP
XTW1	35 39.54	120 12.72	180	TWISSELMAN RANCH	CIT/ALLEN	CREEP

* error. Longitude is 121 24.80.

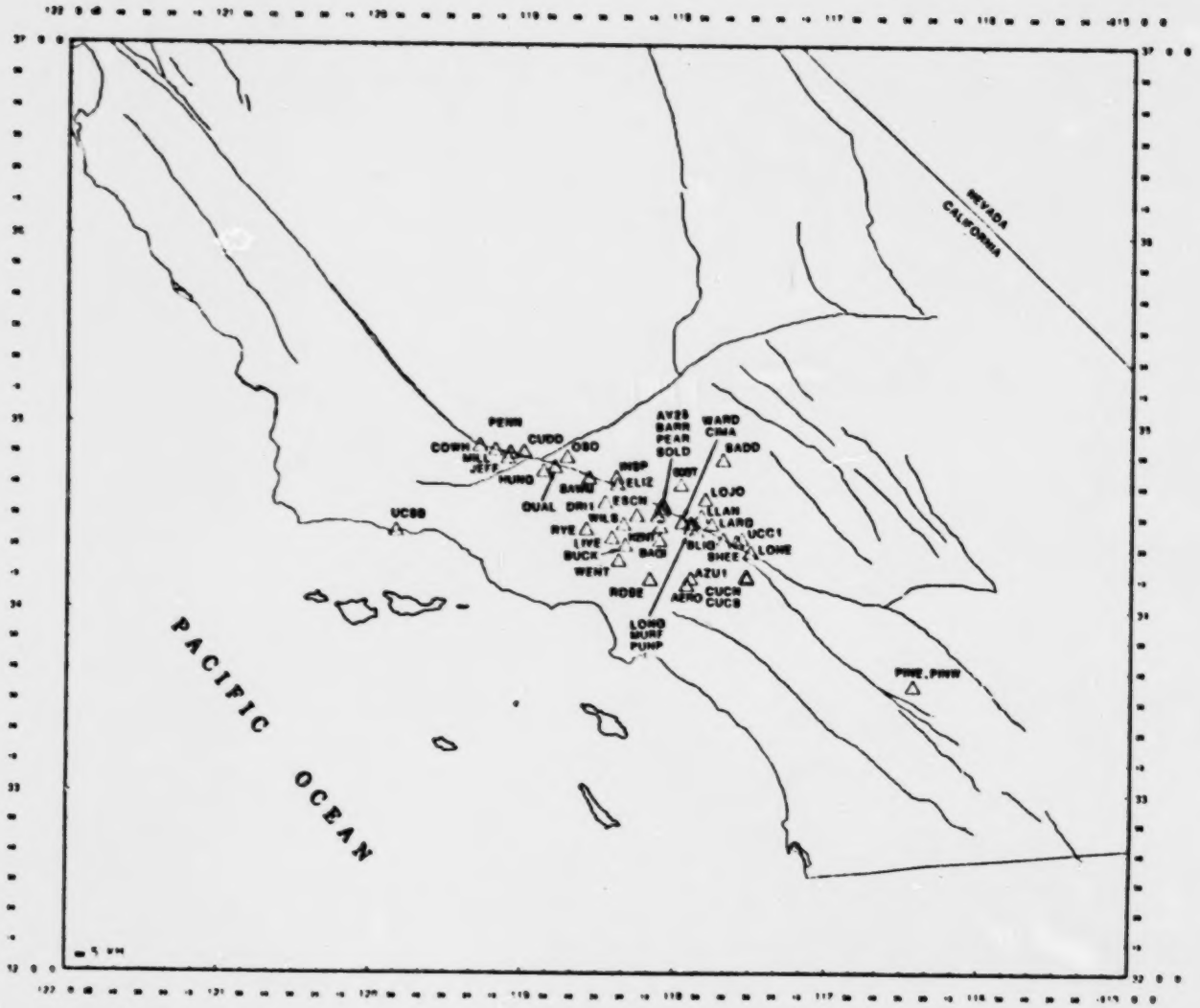

SJB
SUPR
SEWO
ARTS
HANA
NEVADA
CALIFORNIA
DURA
ORAP
PORT, LOR, CAST
JURC
COOK
TMB
UNA
PALL
Y-C, STAT, BATH, CAB, CHAP, NAT, VAN
CAB
SAMP
PACIFIC
OCEAN
PIN

LEVEL

L e v e l

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
COOK	34 25.17	119 25.00*	24 MO	COOK	UCSB/SYLVES	LEVEL
CAB	34 22.33	119 41.42	12	CABRILLO	UCSB/SYLVES	LEVEL
LOR	34 25.33	119 43.42	24	LORINDA	UCSB/SYLVES	LEVEL
CAST	34 25.00	119 43.42	24	CASTILLO CON	UCSB/SYLVES	LEVEL
PORT	34 25.33	119 43.58	24	PORTESUELLO	UCSB/SYLVES	LEVEL
BATH	34 24.17	119 41.67	24	BATH	UCSB/SYLVES	LEVEL
CHAP	34 24.83	119 41.50	24	CHAPALA	UCSB/SYLVES	LEVEL
NAT	34 24.83	119 41.42	24	NATOMA	UCSB/SYLVES	LEVEL
CAS	34 24.83	119 41.58	24	CASTILLO	UCSB/SYLVES	LEVEL
YAN	34 25.00	119 41.17	24	YANONALI	UCSB/SYLVES	LEVEL
STAT	34 24.92	119 41.92	24	STATE	UCSB/SYLVES	LEVEL
Y-C	34 24.67	119 41.92	24	YAN-CASTIL	UCSB/SYLVES	LEVEL
DURA	35 17.08	117 53.42	12	DURAVAN	UCSB/SYLVES	LEVEL
SJB	36 50.80	121 32.00	6	SAN JUAN BAUT	UCSB/SYLVES	LEVEL
SANF	34 18.05	118 25.58	60	SAN FERNANDO	UCSB/SYLVES	LEVEL
JUNC	34 29.00	119 30.25	36	JUNCAL	UCSB/SYLVES	LEVEL
3SPR	36 42.67	117 07.33	48	TRIANGLE SPR	UCSB/SYLVES	LEVEL
SEWG	36 30.33	116 52.42	48	SEWAGE	UCSB/SYLVES	LEVEL
ARTS	36 25.83	116 51.00	48	ARTISTS DR	UCSB/SYLVES	LEVEL
HANA	36 14.08	116 53.00	48	HANAUPAH	UCSB/SYLVES	LEVEL
PALL	34 25.17	117 54.00	6	PALLETT CREEK	UCSB/SYLVES	LEVEL
PIN	33 35.00	116 26.00	6	PINON FLAT	UCSB/SYLVES	LEVEL
GRAP	34 55.50	118 55.50	6	GRAPEVINE	UCSB/SYLVES	LEVEL
UNA	34 33.00	118 06.25	12	UNA LAKE	UCSB/SYLVES	LEVEL
TIMB	34 25.00	119 03.00	12	TIMBER CANYON	UCSB/SYLVES	LEVEL

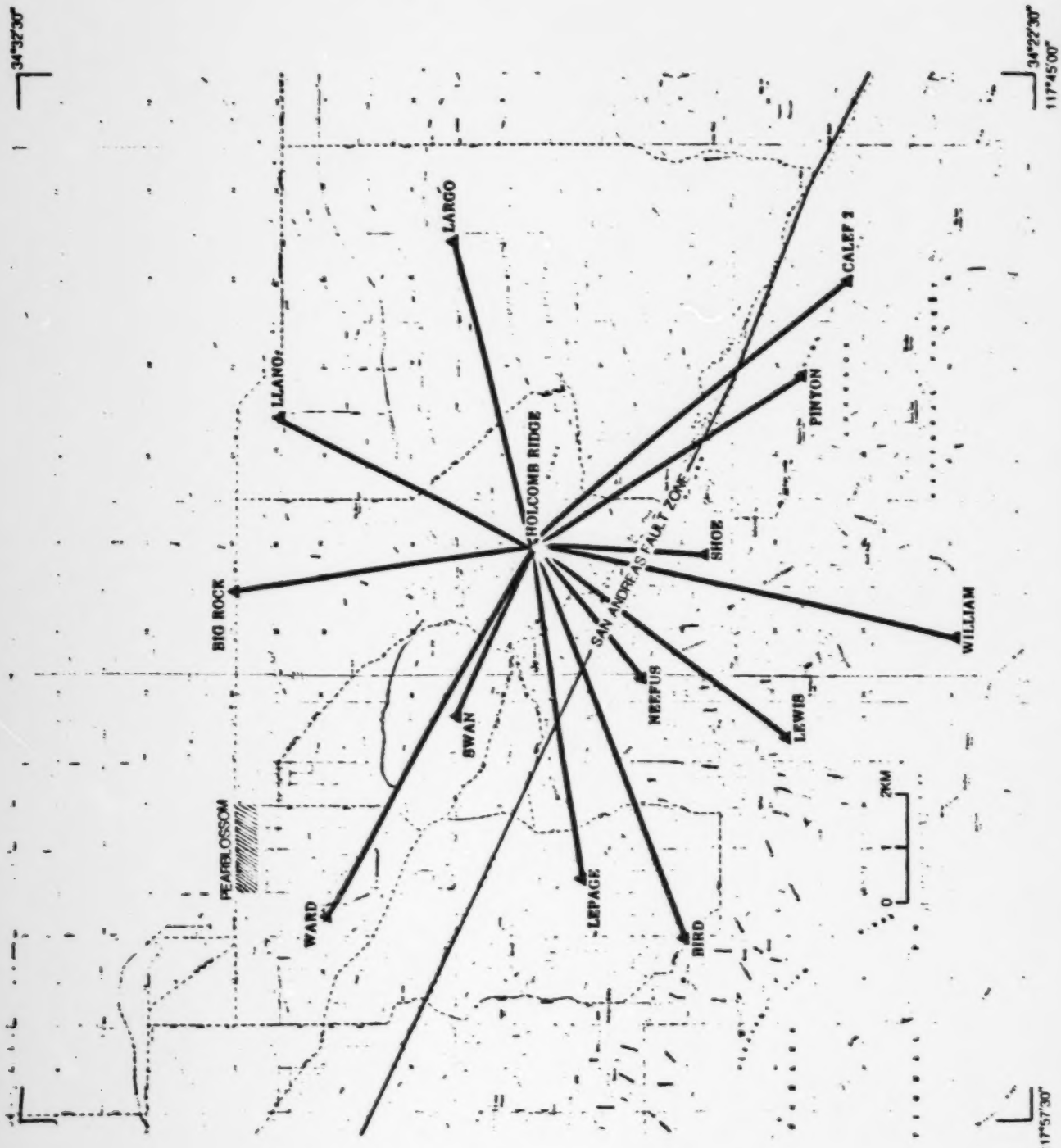
* error. Longitude is 119 25.80.


NEVADA
CALIFORNIA
PACIFIC OCEAN
PENN
CUDO
OSO
COWN
MHLL
JEFF
HURD
BARN
INSP
ELIZ
GUAL
DRHI
ESCN
WILS
RYE
LIVE
BUCK
WENT
KENN
BAGH
ROSE
AV28
BARR
PEAR
SOLD
WARD
CIMA
SADD
SUNT
LOJO
LLAN
LARD
BLIG
SHEE
UCC1
LOWE
AZU1
AERO
CUCN
CUCS
LOMO
BURF
PUMP
UC88
PINE, PINW

DRY TILT

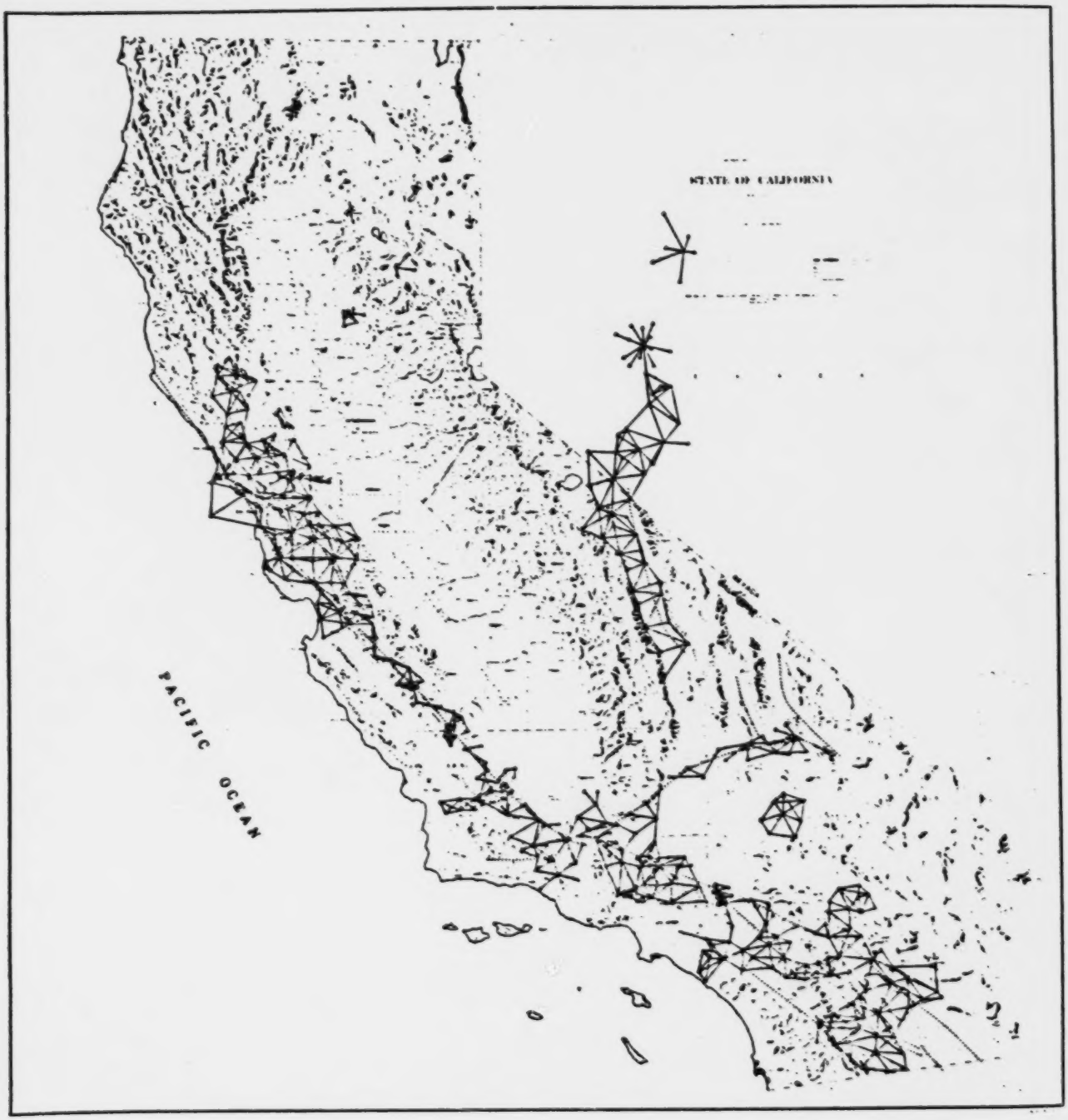
Dry Tilt

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
UCSB	34 24.90	119 50.17	2 MO	UCSB	UCSB/SYLVES	DRY TLT
JEFF	34 48.43	119 06.13	2	JEFFREY PINE	UCSB/SYLVES	DRY TLT
CUDD	34 50.42	118 59.85	2	CUDDY FLAT	UCSB/SYLVES	DRY TLT
HUNG	34 44.25	118 52.08	2	HUNGRY VALLEY	UCSB/SYLVES	DRY TLT
OSO	34 48.73	118 42.83	2	OSO PUMP STA	UCSB/SYLVES	DRY TLT
SAWM	34 41.87	118 34.13	2	SAWMILL	UCSB/SYLVES	DRY TLT
RYE	34 25.50	118 35.13	2	RYE CANYON RD	UCSB/SYLVES	DRY TLT
DRI1	34 34.10	118 27.82	2	DRINKWATER FLAT	UCSB/SYLVES	DRY TLT
INSP	34 42.20	118 23.37	2	INDIAN SPRINGS	UCSB/SYLVES	DRY TLT
ELIZ	34 40.05	118 22.90	2	ELIZABETH LAKE	UCSB/SYLVES	DRY TLT
LIVE	34 22.75	118 25.10	2	LIVE OAK	UCSB/SYLVES	DRY TLT
WENT	34 15.48	118 22.37	2	WENTWORTH	UCSB/SYLVES	DRY TLT
ESCN	34 30.00	118 15.33	2	ESCONDIDO	UCSB/SYLVES	DRY TLT
ROSE	34 09.42	118 10.08	2	ROSE BOWL	UCSB/SYLVES	DRY TLT
AV25	34 33.35	118 05.07	2	AVE 25 E.	UCSB/SYLVES	DRY TLT
PEAR	34 31.35	118 05.75	2	PEARBLOS CUTOFF	UCSB/SYLVES	DRY TLT
SOLD	34 29.98	118 07.13	2	SOLEDAD PASS	UCSB/SYLVES	DRY TLT
90ST	34 39.96	117 58.08	2	90TH ST E.	UCSB/SYLVES	DRY TLT
LONG	34 27.38	117 54.03	2	LONGVIEW	UCSB/SYLVES	DRY TLT
AZU1	34 09.68	117 54.07	2	AZUSA	UCSB/SYLVES	DRY TLT
AERO	34 07.63	117 55.63	2	AEROJET	UCSB/SYLVES	DRY TLT
SADD	34 48.00	117 41.50	2	SADDLEBACK BUTTE	UCSB/SYLVES	DRY TLT
LARG	34 27.22	117 45.92	2	LARGO VISTA	UCSB/SYLVES	DRY TLT
BLIG	34 22.45	117 41.33	2	BLUE RIDGE	UCSB/SYLVES	DRY TLT
UCC1	34 22.60	117 34.10	2	UPPER CAJON CRK	UCSB/SYLVES	DRY TLT
CUCS	34 09.95	117 32.00	2	CUCAMONGA S	UCSB/SYLVES	DRY TLT
CUCN	34 10.47	117 32.18	2	CUCAMONGA N	UCSB/SYLVES	DRY TLT
CIMA	34 27.83	117 57.50	2	CIMA MESA	UCSB/SYLVES	DRY TLT
MURF	34 26.05	117 54.00	2	MURPHY LANE	UCSB/SYLVES	DRY TLT
PUNP	34 25.12	117 51.83	2	PUNCHBOWL PARK	UCSB/SYLVES	DRY TLT
WARD	34 27.85	117 57.50	2	VABM WARD	UCSB/SYLVES	DRY TLT
BUCK	34 20.43	118 19.80	2	BUCK CANYON	UCSB/SYLVES	DRY TLT
WILS	34 27.18	118 20.63	2	WILSON CANYON	UCSB/SYLVES	DRY TLT
BARR	34 32.27	118 04.97	2	BARREL SPRINGS	UCSB/SYLVES	DRY TLT
LLAN	34 29.83	117 50.00	2	LLANO	UCSB/SYLVES	DRY TLT
LONE	34 18.32	117 30.48	2	LONE TREE	UCSB/SYLVES	DRY TLT
LOJO	34 35.18	117 48.40	2	LOVEJOY	UCSB/SYLVES	DRY TLT
SHEE	34 21.60	117 36.22	2	SHEEP CREEK	UCSB/SYLVES	DRY TLT
KENT	34 26.40	118 06.12	2	KENTUCKY SPRINGS	UCSB/SYLVES	DRY TLT
COWH	34 52.30	119 17.25	2	COWHEAD POTRERO	UCSB/SYLVES	DRY TLT
MILL	34 51.00	119 11.12	2	MILL POTRERO	UCSB/SYLVES	DRY TLT
PENN	34 50.07	119 05.23	2	PENNY PINES	UCSB/SYLVES	DRY TLT
QUAL	34 45.48	118 47.60	2	QUAIL	UCSB/SYLVES	DRY TLT
BAGI	34 22.00	118 06.32	2	BAUGHMAN SPRINGS	UCSB/SYLVES	DRY TLT
PINE	33 35.00	116 26.00	2	PINON FLAT E	UCSB/SYLVES	DRY TLT
PINW	33 35.00	116 26.00	2	PINON FLAT W	UCSB/SYLVES	DRY TLT



A. McGarr and L. Slater's Pearblossom net.

W. Thatcher's network of level lines surveyed annually.



J. Savage's trilateration network.

Trilateration Nets

Network		Latitude			Longitude				
anza	arlinq	a	33	52 15.842	117	23	14.350	d	564.00
anza	arling80	n	33	52 17.000	117	23	14.000	n	564.00
anza	asbesrm1	a	33	37 39.000	116	27	29.000	a	1600.20
anza	asbestos	a	33	37 39.304	116	27	29.872	a	1604.80
anza	bachelor	a	33	36 19.504	117	03	41.192	a	780.00
anza	bee	a	33	43 44.305	117	41	55.185	a	535.00
anza	berdoo	a	33	51 40.370	116	05	17.382	i	1645.92
anza	black	a	33	48 22.480	117	39	42.731	a	825.90
anza	brink 2	a	34	00 49.554	117	08	17.971	i	694.56
anza	brinkrm2	a	34	00 49.000	117	08	17.000	i	695.23
anza	coahuila	a	33	35 00.079	116	46	54.439	d	1708.00
anza	david	a	33	54 29.329	116	59	45.402	i	870.20
anza	elsinore	a	33	36 08.638	117	20	32.696	d	1090.00
anza	eve	e	33	38 55.468	116	33	34.286	e	2149.97
anza	eve rm1	e	33	38 55.000	116	33	34.000	i	2150.38
anza	gander	d	33	57 21.000	117	05	49.000	d	774.00
anza	hay rm1	n	33	40 54.000	116	27	35.000	e	1163.23
anza	haystack	e	33	40 54.312	116	27	34.843	e	1160.77
anza	ida	a	33	47 54.319	117	19	20.034	a	779.20
anza	jason	d	33	33 40.000	116	47	50.000	i	1427.00
anza	jurupa 3	d	34	01 56.000	117	25	30.000	a	675.80
anza	kitching	d	33	58 31.000	116	45	29.000	i	1249.26
anza	kitchrm2	d	33	58 31.000	116	45	29.000	i	1244.69
anza	laquinta	a	33	42 14.455	116	18	42.577	a	383.40
anza	lomancer	m	33	45 54.750	117	44	43.958	g	400.07
anza	lomas	a	33	45 54.675	117	44	44.594	a	399.70
anza	lookout	a	33	33 11.774	116	34	23.749	d	1704.00
anza	martinez	a	33	31 25.054	116	11	23.989	a	204.40
anza	menifee	a	33	43 05.576	117	13	40.337	a	686.00
anza	micro	d	33	52 27.000	117	11	25.000	d	783.00
anza	microrm1	o	33	52 27.000	117	11	25.000	i	784.00
anza	moss	d	33	27 25.000	116	39	30.000	d	1725.00
anza	nelson	a	33	49 22.693	117	04	11.339	a	808.50
anza	niguel	a	33	30 44.819	117	43	59.813	a	287.60
anza	pollycgs	a	33	41 16.458	116	55	32.201	a	1019.70
anza	pollydmq	d	33	41 16.000	116	55	32.000	i	1018.95
anza	ranger	a	33	50 39.823	116	49	28.192	d	1549.00
anza	road	e	33	31 35.642	116	35	18.118	e	1518.90
anza	roundtop	a	33	31 26.998	116	54	34.949	d	788.00
anza	san	n	33	42 38.000	117	31	59.000	d	1729.00
anza	san joaq	a	33	36 21.552	117	48	39.930	a	355.20
anza	san juan	a	33	54 49.467	117	44	14.004	a	542.60
anza	santiago	a	33	42 37.886	117	31	59.903	a	1733.53
anza	sheep	e	33	35 08.933	116	22	32.257	e	1567.00
anza	sier	a	33	51 00.476	117	39	10.107	a	928.17
anza	stubbe	d	33	57 10.5	116	45	24.0	d	932.70
anza	thor cgs	d	33	37 16.000	116	40	54.000	i	2076.00
anza	thomas	a	33	37 16.745	116	40	54.884	d	2076.00
anza	thomasec	d	33	37 16.000	116	40	54.000	d	2073.39
anza	thomecc2	d	33	37 16.000	116	40	54.000	d	2075.49
anza	toro	a	33	31 24.758	116	25	29.852	d	2657.00
anza	toro 80	n	33	31 25.000	116	25	30.000	n	2657.00
barst	alvord	p	35	05 49.95655	116	37	05.78512	b	1053.39
barst	barstow2	p	35	05 26.77202	116	56	18.19369	a	1377.90
barst	cal ncer	p	34	59 43.96615	116	50	15.33973	g	1384.56
barst	flash	p	34	49 26.27919	117	00	56.95292	a	959.70
barst	harvard	p	34	56 06.06440	116	39	56.95540	a	621.34
barst	lava	p	34	46 32.79569	116	46	32.42532	b	1464.90
barst	mell rm1	n	34	57 13.	117	07	44.	n	892.00
barst	mellody	p	34	57 13.75551	117	07	44.15225	a	891.85

Network		Latitude	Longitude		
barst	paradise	p 35 08 19.34672	116 49 59.11624	a	1104.30
barst	parausqs	b 35 08 06.869	116 50 11.456	b	1103.07
bay	allison	p 37 29 56.3283	121 52 12.8316	a	811.10
bay	amer rm3	a 37 17 15.942	121 51 53.019	n	137.74
bay	amer rm5	n 37 17 16.	121 51 53.	n	134.87
bay	american	p 37 17 15.8546	121 51 53.4355	a	134.20
bay	angel	n 37 51 42.	122 25 45.	n	238.05
bay	antonio	a 38 11 36.954	122 44 00.866	a	356.80
bay	bald ecc	p 37 53 01.6723	122 13 14.6559	n	583.10
bay	baldpeak	a 37 53 01.091	122 13 15.234	a	583.10
bay	biel	d 37 13 27.6	122 05 31.	n	981.46
bay	biorock1	d 38 03 35.6	122 35 11.	q	579.12
bay	blk mtn	d 37 19 09.2	122 08 46.	e	856.10
bay	bmt rf	d 37 19 07.	122 08 41.	q	859.54
bay	bolinas	d 37 55 23.	122 43 55.	d	286.50
bay	burn ecc	d 38 20 51.	122 51 50.	n	275.16
bay	butano	a 37 13 33.207	122 17 59.681	a	522.40
bay	canada	a 37 01 13.439	121 25 48.909	a	499.70
bay	crane	p 37 36 21.48507	121 37 09.28457	b	900.70
bay	cranerm1	n 37 36 21.	121 37 09.	n	900.05
bay	cranusgs	i 37 36 21.855	121 37 09.51	n	900.70
bay	crossrm1	d 37 27 25.2	122 15 18.	q	269.55
bay	davidson	d 37 44 21.2	122 27 03.	i	277.40
bay	diablo	a 37 52 54.387	121 54 47.107	a	1173.10
bay	diablo 2	p 37 52 54.9136	121 54 49.2066	g	1168.70
bay	diaecrm2	a 37 52 54.	121 54 47.	q	1169.32
bay	doolan 2	p 37 44 28.2912	121 49 42.8322	a	373.20
bay	dump	d 37 14 38.	122 23 56.	d	86.87
bay	eagle rk	a 37 08 51.554	122 11 39.199	a	758.30
bay	fair	d 36 57 06.	121 44 10.	f	30.80
bay	farallon	i 37 41 57.463	123 00 02.798	i	103.94
bay	gilroy	a 36 58 47.368	121 35 54.823	a	602.80
bay	hamil ec	d 37 20 28.8	121 38 31.	f	1284.17
bay	hamilton	p 37 20 30.45791	121 38 31.02235	f	1284.20
bay	hills	p 37 56 13.0721	122 07 37.7107	a	452.30
bay	kirby	a 38 10 03.336	121 55 10.801	i	110.00
bay	llagas	d 37 07 58.8	121 40 01.	i	189.00
bay	loma	a 37 06 39.818	121 50 35.130	a	1156.80
bay	loma use	d 37 06 38.8	121 50 37.	f	1157.38
bay	lopez	a 38 07 27.552	122 07 48.434	i	336.20
bay	lopezecc	d 38 07 51.6	122 08 04.	g	352.99
bay	lp1	d 37 06 32.	121 50 38.	i	1151.31
bay	mindego	a 37 19 12.397	122 11 55.020	a	784.00
bay	mochoecc	p 37 28 38.84549	121 33 17.59085	n	1246.33
bay	mt stake	p 37 19 20.56172	121 24 26.80789	b	1159.58
bay	mt vaca	d 38 24 04.4	122 06 18.	f	859.00
bay	nicasio	d 38 04 50.4	122 45 54.	i	390.10
bay	nike	d 37 36 49.6	122 27 25.	f	368.80
bay	petaluma	a 38 20 45.255	122 34 43.745	a	750.60
bay	pom	a 37 18 33.007	122 22 35.959	a	253.50
bay	potrero	a 38 12 09.604	121 57 16.301	a	123.50
bay	pt reyes	n 38 04 47.	122 52 03.	i	406.35
bay	ptreyhd3	a 37 59 47.2839	123 00 49.596	a	185.70
bay	rdhillec	p 37 33 13.4517	122 05 36.0588	n	86.78
bay	redhillp	d 37 33 14.	122 05 37.	f	88.50
bay	rose2rm5	p 37 30 40.3469	121 43 25.0098	a	1163.00
bay	sanpablo	a 37 57 31.990	122 24 54.033	a	99.90
bay	sheep	a 37 06 54.645	121 30 56.963	a	850.40
bay	sheeprm1	n 37 06 54.	121 30 56.	f	849.46
bay	sheeprm2	n 37 06 54.	121 30 56.	n	849.78

Network			Latitude			Longitude				
bay	shelfdg	d	37	30	37.2	122	15	31.8	i	165.31
bay	skyline	p	37	48	40.1067	122	10	13.9924	d	441.96
bay	sleepy	d	38	13	55.105	122	29	47.344	i	259.39
bay	stinger	d	38	03	41.2	122	35	22.	g	579.12
bay	sun2 rm1	n	37	37	12.	121	55	16.	n	667.27
bay	sunol 2	p	37	37	12.3544	121	55	16.8173	f	667.10
bay	sweeney	d	37	36	36.	122	27	27.	g	380.55
bay	tam 3	d	37	55	25.	122	35	40.	f	774.55
bay	tam3 rm2	d	37	55	25.	122	35	40.	g	774.00
bay	tamal 2	s	37	55	24.749	122	35	43.727	a	784.40
bay	tulu rm1	n	38	15	51.	122	12	56.	i	512.77
bay	tulucay	a	38	15	51.717	122	12	56.693	d	514.00
bay	vern	p	37	37	52.1106	121	50	12.1985	a	385.30
bay	weid rm1	a	37	44	18.	121	59	37.	n	563.24
bay	weid2rm3	a	37	44	18.	121	59	37.	n	563.20
bay	weidem 2	a	37	44	18.142	121	59	37.737	a	563.90
bay	wittenec	n	38	02	22.	122	49	14.	g	427.90
bmt	bmt10	b	37	17	24.7902	122	10	07.9946	b	711.64
bmt	bmt10rm1	n	37	17	25.0	122	10	08.0	i	711.30
bmt	bmt11	b	37	17	42.4982	122	10	56.4468	b	752.67
bmt	bmt7	b	37	18	34.3510	122	11	52.0730	b	763.79
bmt	bmt8	b	37	19	03.0000	122	09	48.0000	b	859.54
bmt	bmt9	b	37	18	22.4037	122	08	55.1410	b	800.53
bmt	bawt	d	37	19	30.0	122	10	00.0	i	743.70
bmt	rf1	d	37	19	46.0	122	12	44.0	i	744.35
bmt	sky1	n	37	18	34.0	122	11	52.0	i	764.90
cajon	brink 2	a	34	00	49.55404	117	08	17.97096	f	694.56
cajon	brinkrm2	n	34	00	49.0	117	08	17.0	n	695.23
cajon	cajon	a	34	20	49.91410	117	27	00.69931	b	1341.20
cajon	calb	a	34	16	15.74713	117	25	24.13297	i	1621.80
cajon	circle	b	34	20	31.765	117	35	01.708	b	2095.50
cajon	divide	o	34	04	41.0	116	58	06.0	f	1898.09
cajon	jurupa 3	a	34	01	56.37148	117	25	30.76498	a	675.80
cajon	keller	a	34	11	45.551	117	02	55.178	f	2401.26
cajon	keller 2	n	34	11	45.0	117	02	55.0	f	2400.34
cajon	kellncer	n	34	11	45.0	117	02	55.0	n	2398.97
cajon	lytle 2	a	34	15	53.72765	117	29	09.78586	b	1312.40
cajon	phel rm1	n	34	23	08.0	117	33	41.0	n	1579.93
cajon	raf rm3	n	34	12	55.0	117	31	36.0	n	1924.35
cajon	rafael	a	34	12	55.25350	117	31	36.68150	a	1927.40
cajon	sev rm2	n	34	13	00.0	117	29	18.0	n	1595.33
cajon	sevaine	a	34	13	00.38854	117	29	18.50090	f	1594.31
cajon	straw 2	n	34	13	55.0	117	14	00.0	n	1875.26
cajon	straw 3	n	34	13	55.0	117	14	00.0	f	1875.52
cajon	strwcrry	a	34	13	55.35870	117	14	00.30860	f	1875.26
calav	cal1	b	37	27	06.9993	121	45	34.9983	b	613.95
calav	cal2	b	37	29	04.5111	121	45	42.2350	b	759.69
calav	cal3	b	37	28	19.1337	121	44	42.6880	b	950.06
calav	cal4	b	37	26	02.8315	121	44	46.7741	b	938.09
calav	cal5	b	37	25	00.6210	121	47	15.8828	b	685.37
calav	cal6	b	37	25	56.8980	121	48	43.0048	b	514.30
calav	cal6a	b	37	25	56.8980	121	48	43.0048	i	514.15
calav	cal7	b	37	28	27.4877	121	49	40.0901	b	329.73
carri	al ncer	n	35	11	06.	120	05	02.	g	1146.66
carri	allen	p	35	11	06.96544	120	05	02.44701	b	1149.10
carri	berros	p	35	03	37.62412	120	26	08.56178	b	549.86
carri	biddle	p	35	09	40.54286	120	28	26.29746	a	559.10
carri	caliente	d	35	02	11.	119	45	33.	l	1556.42
carri	carrizo	p	35	15	00.14526	119	50	48.69609	i	595.10
carri	cauvel	p	35	21	29.07398	119	50	59.74423	b	1198.48

Network		Latitude			Longitude				
carri	crocker	p	35	14	31.72222	119	43	25.14418	b 1205.79
carri	gld 13	p	35	25	23.45114	119	39	10.66899	a 126.85
carri	gould	p	35	24	49.14572	119	45	54.96022	b 427.33
carri	hath 2	p	35	10	56.25636	120	14	05.35347	b 830.28
carri	kittncer	n	35	17	26.	119	45	46.	a 1319.15
carri	madre 80	n	35	04	32.	120	03	58.	n 991.82
carri	madreecc	p	35	04	32.31173	120	03	58.08737	b 991.82
carri	mckitt	p	35	17	26.60438	119	45	46.82345	a 1320.60
carri	painted	p	35	09	12.84835	119	43	25.05056	b 618.04
carri	saltos	p	35	08	00.24799	119	54	03.49106	b 1104.29
carri	stanley2	p	35	04	22.67910	120	15	01.15564	b 758.95
carri	sycamore	p	35	07	31.96396	119	59	52.21475	b 890.63
carri	turkey	b	35	15	40.544	119	57	15.629	b 859.23
carri	welport	p	35	21	31.77344	119	40	50.26105	b 285.21
chase	ch1	b	36	58	33.9997	121	37	41.0016	b 533.26
chase	ch2	b	36	59	02.4460	121	38	10.2954	b 533.86
chase	ch3	b	36	59	04.7377	121	37	35.5645	b 577.07
chase	ch4	b	36	58	47.8974	121	36	53.4734	b 603.20
chase	ch5	b	36	58	16.9265	121	37	09.7695	b 525.20
chase	ch6	b	36	57	37.4845	121	37	35.5193	b 216.70
chase	ch7	b	36	57	46.7768	121	38	15.4468	b 315.29
chase	ch8	b	36	58	21.9448	121	38	47.3018	b 392.37
coal	bitter	a	36	25	00.141	120	58	51.252	i 838.20
coal	browns	a	36	44	17.587	121	13	19.767	f 694.40
coal	bryan	a	36	09	33.59320	120	48	34.92021	f 642.61
coal	bryanrm3	n	36	09	33.	120	48	34.	i 642.61
coal	castle	i	35	56	20.348	120	20	21.674	f 1325.20
coal	chal rm4	n	36	26	51.	121	11	40.	f 1006.40
coal	chalk	d	36	10	34.4	120	45	06.	f 791.53
coal	chalone	a	36	26	51.572	121	11	40.596	f 1007.40
coal	cienega	a	36	45	03.09498	121	21	17.01533	a 414.70
coal	cross	a	36	37	16.388	121	11	23.694	f 773.30
coal	fairview	a	36	55	33.06810	121	21	21.98371	a 138.60
coal	foot rm3	n	36	49	55.	121	19	26.	n 257.56
coal	fremont	a	36	45	26.05342	121	30	11.07386	a 966.60
coal	griswold	d	36	11	31.2	120	51	14.	f 565.93
coal	hepsedam	a	36	18	52.54797	120	49	25.09674	f 1364.40
coal	john rm1	n	36	36	39.	121	13	49.	n 1055.83
coal	mcv rm5	n	36	39	24.	121	21	55.	n 1020.50
coal	mcvail	a	36	39	23.82073	121	21	54.93199	a 1021.90
coal	mine mt	o	35	58	18.	120	25	12.	i 1100.32
coal	mon peak	o	36	13	00.0	120	48	17.	g 844.07
coal	monarch	o	36	13	00.	120	48	17.	f 794.81
coal	myers	a	36	14	37.65002	120	40	48.27931	a 1206.70
coal	myersrm2	n	36	14	37.	120	40	48.	n 1206.50
coal	peach	a	36	11	00.34733	120	45	05.29290	f 876.36
coal	pereira2	a	36	49	04.01228	121	22	50.65903	a 181.00
coal	sargent	a	36	54	21.970	121	31	15.657	a 360.40
coal	shade	o	36	01	52.	120	41	17.	f 739.24
coal	sweetwtr	a	36	13	39.10619	120	55	20.06843	f 592.74
excel	banner	p	37	42	02.09509	118	34	43.58559	i 2587.20
excel	bound	p	37	50	50.03023	118	22	56.97584	d 3429.00
excel	boundary	p	37	50	46.19061	118	21	01.25445	a 4005.20
excel	brandon	a	38	19	41.573	117	41	53.946	a 2183.20
excel	candelar	p	38	09	00.60312	118	06	08.61488	b 2029.70
excel	casa	a	37	38	39.788	118	53	44.555	a 2413.10
excel	casa dia	p	37	34	42.68170	118	32	58.17475	b 2411.60
excel	cedar	p	38	31	52.71611	117	49	21.09412	b 2464.90
excel	chalfant	p	37	31	59.28815	118	19	55.43844	i 2083.30
excel	collins	d	38	11	35.9	118	27	12.7	n 2375.76

Network		Latitude		Longitude		
excel convict	a	37 35 53.724		118 48 36.832	a	2150.50
excel dan	p	37 23 30.45520		118 15 12.69561	b	2554.50
excel excel	p	37 16 04.56681		118 30 20.76356	b	2532.40
excel falls 2	p	37 42 40.79711		118 25 42.35749	a	1432.88
excel fallsrm1	n	37 42 40.		118 25 42.	n	1432.30
excel glass	a	37 45 29.991		118 42 27.178	a	3390.20
excel glassrm2	p	37 45 29.90803		118 42 26.83383	i	3388.77
excel hicks	p	38 16 47.75135		118 49 00.40201	b	2869.40
excel horse	p	37 58 45.10528		118 48 29.32699	i	2704.80
excel huntoon	p	38 02 02.33088		118 32 28.13758	a	2529.50
excel laurel	p	37 34 49.34110		118 53 25.55342	a	3600.30
excel lone	p	38 11 34.58201		118 27 13.63416	b	2370.70
excel lone ecc	b	38 11 35.273		118 27 12.763	b	2375.00
excel mable	p	38 27 23.37691		118 18 26.56876	b	2442.80
excel miller	a	38 03 54.769		118 11 25.734	b	2660.50
excel moho 2	p	38 16 46.92444		118 15 31.31966	b	2683.70
excel oro	p	38 24 14.11312		118 26 45.96512	b	2334.80
excel pilot	p	38 20 34.88341		117 58 23.19428	b	2799.14
excel pilotrm2	n	38 20 34.		117 58 23.	n	2798.80
excel sherwin	p	37 30 09.90267		118 41 01.41620	i	3578.90
excel tungsten	p	37 22 09.37125		118 31 38.00120	b	1813.30
fallo aggie	d	38 58 31.0		118 07 43.0	i	2094.00
fallo bmr295	d	38 49 13.0		117 49 49.0	i	1395.70
fallo bmr46	d	39 17 29.0		118 04 06.0	i	1362.80
fallo bmx46	a	39 16 25.978		118 18 34.931	a	1302.50
fallo borax	a	39 19 42.424		118 27 43.259	a	1672.40
fallo buffalo	a	39 08 45.640		117 48 20.958	a	2317.70
fallo cain crk	a	40 01 27.244		117 32 32.755	a	2564.10
fallo cedar	p	38 31 52.71611		117 49 21.09412	i	2464.90
fallo clan	a	39 46 24.6309		117 45 23.0857	a	1988.80
fallo cotton	a	39 58 26.9882		118 01 53.5656	a	2384.60
fallo dixie	a	39 23 10.199		118 09 57.731	i	1272.60
fallo dixierm3	n	39 23 10.0		118 09 58.0	i	1271.93
fallo fairview	a	39 13 30.473		118 09 05.581	a	2530.50
fallo fen	d	40 04 57.0		117 49 49.0	i	2110.50
fallo ferguson	p	38 39 26.41677		118 09 36.70443	i	2562.15
fallo flat	d	38 43 51.0		118 06 10.0	i	1904.70
fallo granite	a	40 16 49.4237		117 48 58.0322	a	2565.10
fallo lower	d	40 01 39.0		117 38 30.0	i	1124.80
fallo mable	p	38 27 23.37691		118 18 26.56876	i	2442.80
fallo mccoy	d	40 06 44.0		117 35 43.0	i	1209.90
fallo mine	a	39 12 16.455		118 03 20.548	a	1976.40
fallo mound	a	39 23 45.514		118 15 55.069	a	1515.50
fallo paradise	b	38 48 24.749		117 49 33.299	i	2636.60
fallo pilot	p	38 20 34.88341		117 58 23.19428	i	2799.14
fallo post	a	39 02 09.565		118 02 04.659	a	1575.60
fallo sand spr	a	39 08 51.289		118 25 17.345	a	1908.00
fallo sheelite	a	39 02 35.737		118 19 24.605	a	2177.00
fallo slaterm1	a	39 06 33.086		118 12 18.508	a	2177.40
fallo wonder	a	39 24 33.684		118 03 21.049	a	2172.40
garlo avawatz	a	35 30 45.902		116 19 50.499	a	1876.10
garlo brown	b	35 41 11.383		117 00 56.489	b	1561.80
garlo garlock	b	35 25 09.083		117 50 58.492	b	1458.20
garlo garlocre	b	35 25 09.083		117 50 58.492	b	1458.20
garlo granite	b	35 31 12.060		116 44 51.198	b	1360.00
garlo james	a	35 31 53.690		116 32 56.423	a	1466.50
garlo jamesrm2	n	35 31 53.		116 32 56.	a	1464.67
garlo jawbone	d	35 20 11.2		117 59 40.	d	803.20
garlo joburg	d	35 20 13.6		117 41 33.	d	1443.80
garlo joburgre	d	35 20 13.6		117 41 33.	d	1443.80

Network	Latitude	Longitude	
garlo jobarrm1	d 35 20 13.	117 41 33.	i 1443.21
garlo knoll	a 35 28 36.207	117 12 37.901	a 1215.00
garlo leach	a 35 32 05.5500	116 53 24.3726	a 1481.90
garlo owl	b 35 43 53.165	116 52 51.341	b 1422.20
garlo owlhead	a 35 47 11.909	116 45 32.900	a 1343.60
garlo quail	b 35 37 42.536	116 54 09.459	b 1555.50
garlo rock	b 35 28 41.325	117 25 20.342	b 940.73
garlo spangler	a 35 34 28.570	117 30 37.937	a 1061.00
garlo spring	a 35 40 13.503	116 40 03.918	b 1018.60
garlo will rm2	n 35 37 15.	117 11 28.	i 1700.63
garlo willow	b 35 37 15.157	117 11 28.111	b 1701.10
gavil cycle	n 36 46 26.	121 27 48.	i 683.82
gavil fremont	d 36 45 26.0	121 30 12.0	i 966.50
gavil gav1	b 36 44 36.9997	121 27 41.9996	b 696.32
gavil gav2	b 36 46 26.7371	121 27 48.2540	b 683.82
gavil gav3	b 36 45 46.9734	121 25 49.3308	b 604.11
gavil gav4	b 36 44 23.4841	121 25 20.5609	b 828.78
gavil gav5	b 36 43 15.5518	121 27 08.7848	b 799.17
gavil gav6	b 36 43 38.3630	121 29 17.0516	b 790.26
gavil gav7	b 36 45 38.6060	121 28 38.8180	b 858.50
gavil sandy	d 36 46 35.0	121 28 13.0	i 738.90
geyse alice	a 38 44 54.011	123 03 08.104	a 577.10
geyse audrey	a 38 58 43.934	122 38 36.465	a 669.70
geyse benlorm1	n 38 52 26.	122 42 30.	n 1125.30
geyse benlorm2	n 38 52 26.	122 42 30.	n 1125.30
geyse bond	a 38 55 06.714	122 30 17.020	a 974.20
geyse bucknell	d 39 03 42.8	122 57 26.	d 555.96
geyse burnsid2	b 38 20 53.6978	122 51 48.7374	a 277.26
geyse burnside	b 38 20 52.055	122 51 49.936	b 280.00
geyse caldwell	d 38 50 34.4	122 48 37.	j 1008.00
geyse cobb mtn	d 38 48 34.8	122 44 08.	d 1432.56
geyse coline 1	d 38 50 20.8	122 47 49.	d 963.20
geyse divide	a 38 46 07.980	122 43 38.036	a 1049.12
geyse dunlevy1	d 38 47 13.2	122 48 57.	j 930.90
geyse dunlevy2	d 38 46 33.6	122 47 40.	j 1052.50
geyse dunlevy4	d 38 45 50.4	122 45 36.	j 1022.60
geyse geyser	n 38 45 53.	122 50 39.	n 1053.10
geyse harbin	d 38 47 31.6	122 38 44.	d 787.90
geyse helena	a 38 40 09.971	122 37 56.604	b 1323.70
geyse konoccgs	a 38 58 28.992	122 45 53.333	a 1311.40
geyse konocrm1	d 38 58 28.	122 45 53.	a 1311.50
geyse konocti	b 38 58 24.888	122 45 11.232	d 1306.40
geyse nice	a 39 07 58.244	122 50 05.357	a 878.70
geyse oaks	a 39 01 44.863	122 41 31.041	a 703.20
geyse pin peak	n 39 08 51.	122 45 50.	n 1407.40
geyse pine	a 39 03 11.222	122 45 05.602	a 771.90
geyse pugh 1	d 38 48 50.	122 45 46.	j 1112.20
geyse pugh 2	d 38 49 18.8	122 49 06.	j 959.50
geyse pugh 4	d 38 50 50.	122 51 30.	d 841.25
geyse rhyolite	d 38 48 00.	122 45 00.	d 1420.37
geyse sheldon	a 38 54 38.560	122 57 15.501	b 1010.40
geyse sheldrm1	n 38 54 38.	122 57 15.	n 1009.80
geyse sulphur	a 38 45 53.154	122 50 39.006	a 1054.50
geyse taylor	b 38 24 02.6954	122 40 25.1694	a 427.70
geyse weston	b 38 36 03.2001	122 48 41.9394	d 307.20
geyse wright	d 38 58 31.6	122 45 54.	n 1311.40

Network		Latitude		Longitude		
holli	bolsarm2	n 35 52 42.		121 15 46.	n	948.54
holli	canada	a 37 01 13.439		121 26 48.909	a	499.70
holli	church	a 35 56 26.472		121 25 32.828	a	51.40
holli	cross	a 36 49 21.711		121 31 02.532	a	293.30
holli	dusty	a 36 45 26.039		121 34 35.499	a	400.80
holli	fairview	a 36 55 33.06810		121 21 21.98371	a	138.60
holli	felipe	a 36 58 45.30046		121 23 34.22392	i	351.70
holli	foot rm1	n 35 49 54.		121 19 25.	n	256.95
holli	foot rm3	n 35 49 54.		121 19 25.	n	257.56
holli	foothill	a 36 49 54.817		121 19 25.603	a	257.20
holli	frem rm1	n 36 45 26.		121 30 11.	n	957.30
holli	fremont	a 36 45 26.05342		121 30 11.07386	a	966.60
holli	frye	n 36 56 24.		121 25 32.	n	51.36
holli	gilroy	a 36 58 47.368		121 35 54.823	a	602.80
holli	hiway	a 36 49 13.540		121 33 32.031	a	419.30
holli	hollair	a 36 53 35.97991		121 24 02.63681	i	67.10
holli	hollis	a 36 51 20.979		121 24 21.770	a	124.10
holli	holt	d 36 48 33.		121 29 45.	d	373.20
holli	juan	a 36 49 19.491		121 34 43.498	b	408.95
holli	knob	a 36 52 20.198		121 27 08.239	a	151.10
holli	lone t	a 36 54 55.257		121 17 36.228	a	672.90
holli	morse	d 36 50 28.		121 29 35.	d	63.40
holli	oak	a 36 47 46.017		121 25 45.455	a	425.60
holli	pacheco	a 37 00 28.079		121 17 12.287	a	843.50
holli	pereira	a 36 48 58.207		121 22 46.873	a	203.40
holli	pereira2	a 36 49 04.01228		121 22 50.65903	a	181.00
holli	picket	a 36 50 29.666		121 25 07.259	a	179.00
holli	sandy	a 36 46 35.990		121 28 13.088	a	738.90
holli	sargent	a 36 54 21.970		121 31 15.657	a	360.40
holli	shore	d 36 56 08.		121 29 01.	d	48.80
holli	yates	a 36 47 00.929		121 30 54.506	a	654.20
holli	yates79	n 36 47 00.929		121 30 54.506	n	654.20
joshu	29 palms	a 34 03 30.829		115 57 02.207	b	1390.47
joshu	beacon 2	n 33 55 25.0		116 35 58.0	i	527.30
joshu	berdoo	a 33 51 40.370		116 05 17.382	i	1645.92
joshu	creole	a 34 25 44.698		116 18 18.695	b	1351.79
joshu	creolrm1	n 34 25 44.0		116 18 18.0	b	1351.79
joshu	creolrm2	n 34 25 44.0		116 18 18.0	b	1351.79
joshu	dome	a 33 57 58.6184		116 25 54.7444	i	619.00
joshu	dome ecc	n 33 57 58.0		116 25 54.0	i	617.00
joshu	edom 2	n 33 52 11.0		116 25 42.0	i	487.70
joshu	insp rm2	n 33 56 08.0		116 11 40.0	i	1697.74
joshu	inspncer	a 33 56 08.624		116 11 40.726	a	1699.26
joshu	keys	a 34 04 57.461		116 11 23.911	b	1366.42
joshu	laquinta	a 33 42 14.455		116 18 42.577	a	383.40
joshu	mawee	a 34 25 08.596		116 27 27.011	i	1269.04
joshu	meeks	a 34 15 28.404		116 35 59.611	b	1913.20
joshu	mesquite	a 34 11 35.753		116 05 45.276	b	642.52
joshu	pax ncer	a 34 09 11.719		116 23 20.304	b	1158.76
joshu	queen	a 34 03 09.465		116 05 46.460	b	1730.51
joshu	rich	a 34 15 50.715		116 28 04.869	i	1309.64
joshu	sandhill	a 34 15 17.965		116 15 40.877	i	864.84
joshu	segreset	n 34 18 52.0		116 04 41.0	i	1061.74
joshu	segundo	a 34 18 52.743		116 04 41.894	i	1061.74
joshu	valmtecc	a 34 13 05.731		115 58 05.920	a	704.39
joshu	warren	a 34 03 18.207		116 24 22.689	a	1555.28
loma	loma use	d 37 06 38.8		121 50 37.0	i	1157.38
loma	lp1	d 37 05 32.0		121 50 38.0	i	1151.31
loma	lp2	d 37 05 15.0		125 54 27.0	i	685.00
loma	lp3	d 37 04 47.0		121 52 16.0	i	756.00
loma	lp4	d 37 03 00.0		121 50 16.0	i	649.00

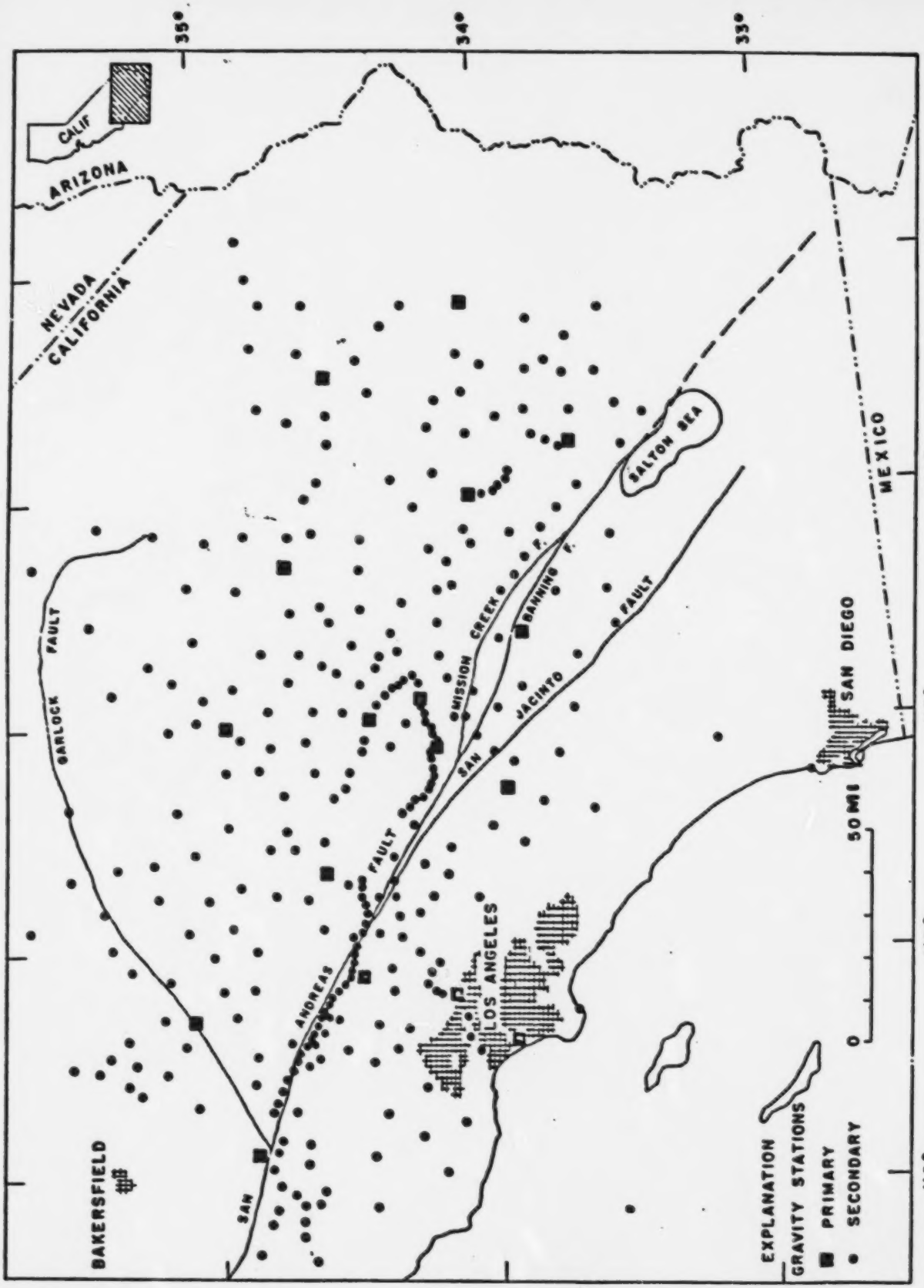
Network		Latitude			Longitude				
lospa	apache	a	34	45 25.6512	119	18	56.8269	d	1483.00
lospa	caliente	c	35	02 10.840	119	45	33.507	c	1556.31
lospa	fraz rm2	n	34	46 30.0	118	58	05.0	n	2441.76
lospa	frazier	a	34	45 29.8994	118	58	05.4252	d	2442.37
lospa	kitchen	a	34	55 16.54501	119	09	00.99801	a	1557.50
lospa	madulce2	d	34	40 28.0	119	35	24.0	d	1992.00
lospa	monte	n	34	32 21.0	119	27	57.0	d	1829.00
lospa	mt pinos	a	34	48 46.2229	119	08	40.0294	a	2694.10
lospa	nordhoff	a	34	29 53.9179	119	14	28.0802	i	1367.00
lospa	paa-1	n	34	22 19.0	119	25	13.0	d	658.00
lospa	pattiway	a	34	57 35.11155	119	25	52.95074	a	1017.07
lospa	pelato	a	34	55 12.69887	119	24	16.09113	a	1367.30
lospa	pinosecc	n	34	48 46.0	119	08	41.0	n	2688.64
lospa	police	a	34	54 10.93837	118	54	12.76370	i	1467.67
lospa	reyes	a	34	37 51.04550	119	16	50.31507	a	2290.20
lospa	salisbur	a	34	49 22.52053	119	42	44.94274	a	1579.50
lospa	santapaj	a	34	26 25.2574	119	00	31.3036	d	1510.89
lospa	seco	a	34	37 31.7148	119	25	25.2798	d	1673.60
lospa	sulpher	a	34	24 35.8089	119	12	09.5414	d	831.00
lospa	sulphrm2	n	34	24 35.0	119	12	10.0	n	831.00
lospa	tecuyrm1	d	34	50 32.0	118	58	51.0	d	2180.54
lospa	tejon 41	a	34	48 13.086	118	48	52.627	i	1484.38
lospa	temb rm1	n	35	06 46.0	119	33	14.0	n	1083.59
lospa	temblor	a	35	06 46.09350	119	33	14.53656	a	1084.20
lospa	thorn	a	34	36 22.8752	119	07	36.1246	d	2113.00
lospa	wh2 rm3	n	35	00 38.0	119	00	48.0	n	652.78
lospa	yam	a	34	45 14.69362	119	28	27.34339	a	1791.60
mocho	corral	p	37	37 34.19733	121	27	13.32810	a	408.50
mocho	crane	p	37	36 21.48507	121	37	09.28457	a	900.70
mocho	cranerm1	a	37	36 21.	121	37	09.	i	900.05
mocho	hamil ec	n	37	20 28.8	121	38	31.	f	1284.17
mocho	hamilton	p	37	20 30.45791	121	38	31.02235	a	1284.20
mocho	mocho	a	37	28 38.609	121	33	17.529	g	1246.33
mocho	mochoecc	p	37	28 38.84549	121	33	17.59085	g	1246.33
mocho	mt oso	p	37	30 30.31334	121	22	26.02711	a	1020.10
mocho	mt stake	p	37	19 20.56172	121	24	26.80789	b	1159.58
mocho	rose2rm5	p	37	30 40.34690	121	43	26.00979	a	1163.00
mocho	stak use	a	37	19 20.595	121	24	25.800	a	1160.30
napa	arrow	a	38	15 27.329	122	23	56.532	h	297.36
napa	dan	d	38	17 40.	122	19	03.	h	146.58
napa	dan rm2	d	38	17 40.	122	19	03.	h	146.58
napa	hooker	a	38	22 35.518	122	26	37.429	a	815.80
napa	rector	a	38	25 27.823	122	17	25.827	a	649.60
napa	slaught	a	38	09 15.921	122	17	03.318	h	6.74
napa	tulucay	a	38	15 51.717	122	12	56.693	h	513.38
orovi	cameron	c	39	34 56.6216	121	25	35.4515	c	337.74
orovi	gaub rm1	n	39	32 55.0	121	32	55.0	i	337.41
orovi	kelly2ec	c	39	32 35.6158	121	27	55.1664	c	391.55
orovi	line 2	c	39	33 21.16480	121	29	12.07670	c	411.34
orovi	loaf rm1	n	39	32 14.0	121	25	06.0	c	324.35
orovi	lucas	a	39	28 11.005	121	24	28.430	i	660.50
orovi	oroville	a	39	31 15.217	121	32	19.355	i	125.80
orovi	palermo	a	39	26 23.193	121	31	30.768	i	156.67
orovi	sunset	a	39	31 25.455	121	17	56.588	i	1012.20
owens	andrews	a	37	04 37.230	118	04	54.684	a	2884.10
owens	bairs	a	36	40 43.575	118	14	23.182	a	1886.50
owens	black	a	37	16 01.224	118	13	27.661	a	2769.00

Network		Latitude		Longitude		
owens blue	a	36 58 04.004		118 03 11.811	a	3268.70
owens cer gord	a	36 32 15.907		117 47 09.033	a	2801.90
owens chalfant	a	37 31 59.308		118 18 55.462	a	2084.00
owens dan	b	37 23 30.491		118 15 12.722	b	2554.53
owens lookout	a	36 53 29.187		118 19 13.284	a	3103.90
owens monarch	a	36 42 27.444		117 57 42.017	a	3384.90
owens round 2	a	37 12 28.133		118 25 54.427	a	3409.80
owens safe	d	36 28 50.		118 03 32.	d	2419.00
owens stocker	a	37 00 38.382		118 21 37.546	a	2690.00
owens summit	a	36 11 22.406		118 04 22.692	a	3014.20
owens tungsten	a	37 22 09.409		118 31 37.996	a	1813.30
owens wonoga	a	36 28 57.399		118 07 00.735	a	3159.90
pajar brush	a	36 35 23.308		121 46 18.242	a	283.50
pajar brush 2	n	36 35 23.		121 46 18.	n	283.50
pajar chamber	a	35 55 51.672		121 38 35.092	a	501.90
pajar fairview	a	36 55 33.06810		121 21 21.99371	a	138.60
pajar freeont	a	36 45 25.05342		121 30 11.07386	a	966.60
pajar gal	a	36 54 39.821		121 49 23.652	a	102.50
pajar gilroy	a	36 58 47.368		121 36 54.823	a	602.80
pajar hollis	a	36 51 20.979		121 24 21.770	a	124.10
pajar juan	a	36 49 19.491		121 34 43.498	b	408.95
pajar lp1	d	37 06 38.		121 50 35.	i	1151.31
pajar mulligan	a	36 44 56.717		121 47 52.416	a	21.30
pajar sargent	a	36 54 21.970		121 31 15.657	a	360.40
pajar vargo	d	37 00 30.		121 49 09.	i	331.60
pajar vargorm1	n	37 00 30.		121 49 09.	i	331.60
palmd andreas	a	34 38 32.48497		118 20 35.51232	b	1108.60
palmd bend	a	34 38 31.73735		118 22 35.31509	b	1092.40
palmd burn	a	34 37 15.13510		118 21 45.84987	b	1384.10
palmd denis	a	34 37 52.6799		118 03 33.0587	a	789.07
palmd desu rm1	n	34 38 11.113		118 17 40.387	j	1221.30
palmd granite	a	34 35 51.29225		118 18 48.32680	i	1399.90
palmd hau ecc1	a	34 32 51.29517		118 12 52.56006	a	1581.10
palmd hauser	a	34 32 51.71850		118 12 52.64112	i	1580.10
palmd hrm1	n	34 32 51.		118 12 52.	i	1579.80
palmd leona	a	34 38 39.07923		118 19 23.80605	b	1215.20
palmd locked	a	34 36 56.07083		118 14 41.32671	b	1140.90
palmd mint	a	34 34 00.75111		118 16 41.04106	i	1576.50
palmd pelona	a	34 33 39.52238		118 21 18.45181	b	1478.30
palmd portal	a	34 39 57.94842		118 22 06.44858	b	1183.80
palmd rit rid	a	34 36 23.88765		118 12 49.11787	j	1025.30
palmd tenhi	a	34 31 50.28419		118 08 50.23259	b	1378.30
palmd verde	a	34 34 31.02495		118 09 05.95205	i	986.60
palmd verderm1	n	34 34 31.		118 09 06.	b	982.29
ptrey berg	n	38 02 22.0		122 49 14.	n	427.90
ptrey blackrm3	n	38 04 50.0		122 45 51.0	n	390.10
ptrey bodega	a	38 18 22.57030		123 00 02.44920	a	184.80
ptrey burn ecc	d	38 20 51.0		122 51 50.0	n	275.16
ptrey burn2rm1	n	38 20 53.0		122 51 48.0	n	277.26
ptrey burnsid2	b	38 20 53.6978		122 51 48.7374	a	277.26
ptrey burnside	b	38 20 52.055		122 51 49.936	b	280.00
ptrey garcia	a	38 03 58.056		122 47 03.135	a	179.10
ptrey mill	e	38 08 00.80		122 49 47.82	e	266.09
ptrey nicasio	d	38 04 50.4		122 45 54.0	i	390.10
ptrey pt reyes	n	38 04 47.0		122 52 03.0	i	406.35
ptrey ptreyhd3	a	37 59 47.2839		123 00 49.5960	a	185.70
ptrey seic	a	38 02 41.436		122 47 50.478	a	21.64
ptrey tacloma	a	38 03 03.715		122 46 11.432	d	169.16
ptrey tam 3	d	37 55 25.0		122 35 40.0	f	774.55
ptrey tam? rm2	d	37 55 25.0		122 35 40.0	f	774.00

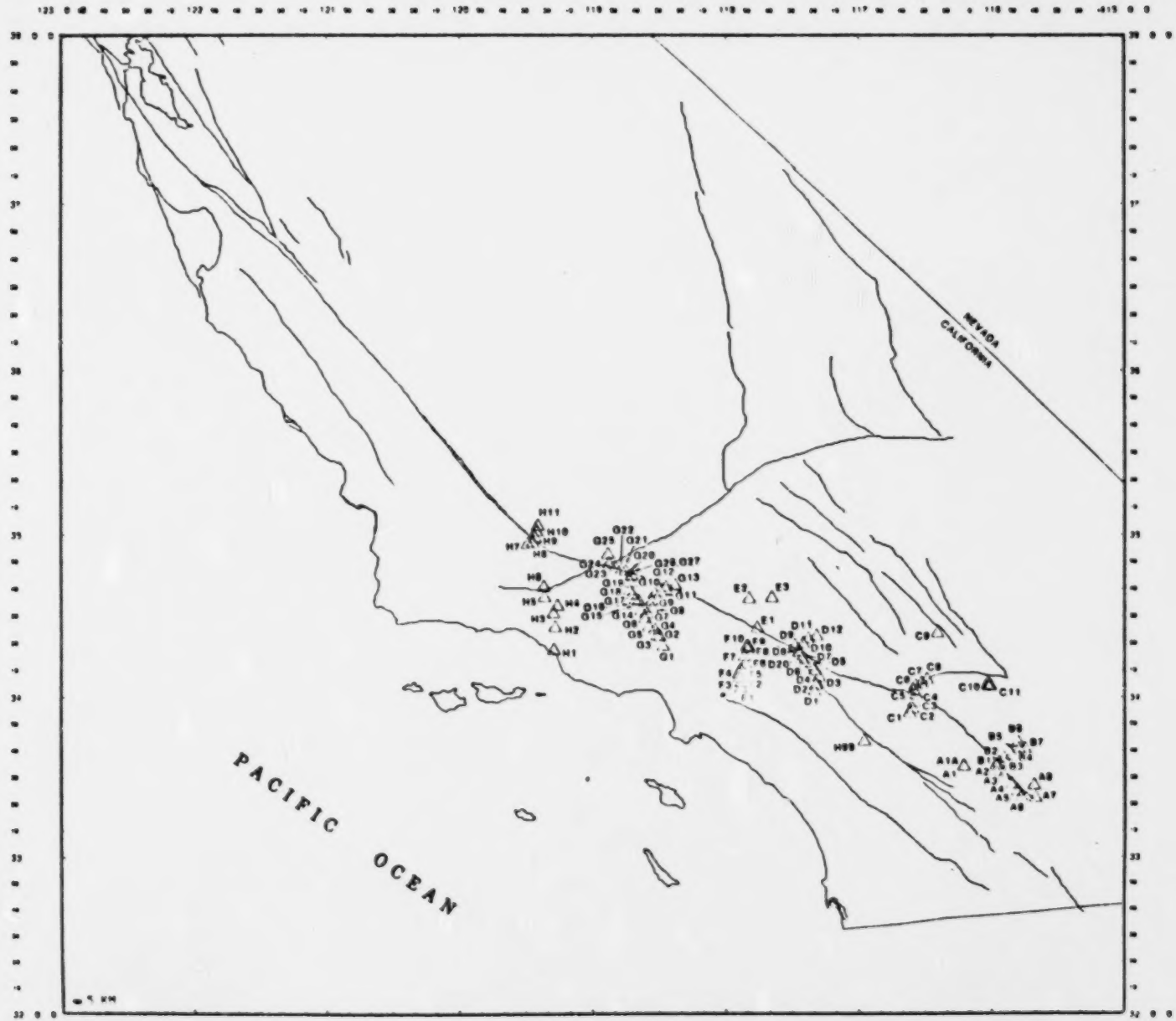
Network		Latitude		Longitude		
otrey	tomesi	a 38 05 07.755		122 47 37.920	d	182.27
otrey	wittenec	n 38 02 22.0		122 49 14.0	q	427.90
rf	bordi	d 37 20 24.0		122 13 26.0	i	615.70
rf	bordirm1	n 37 20 24.0		122 13 26.0	i	615.70
rf	mt mel	d 37 20 20.0		122 13 04.0	d	667.50
rf	rf1	b 37 19 53.1641		122 12 51.4272	b	744.35
rf	rf2	b 37 19 44.7021		122 13 52.4906	b	655.83
rf	rf3 ncer	n 37 19 46.		122 14 28.	i	628.46
rf	rf3 usgs	b 37 19 46.0879		122 14 28.0018	b	628.46
rf	rf4	b 37 20 15.1053		122 13 12.8015	b	684.21
rf	rf5reset	d 37 19 19.0		122 12 06.0	b	783.34
salto	alamo	a 33 11 46.753		115 35 37.218	d	-39.01
salto	beals	a 33 21 16.519		115 21 26.913	d	781.20
salto	berdoo	a 33 51 40.370		116 05 17.382	j	1645.92
salto	bluff	a 33 15 24.121		116 13 56.118	d	394.41
salto	bluffrm1	n 33 15 24.		116 13 56.	n	394.41
salto	butte	a 33 33 40.951		115 20 38.305	a	1373.74
salto	carrizo	a 32 49 30.543		116 00 51.422	d	733.95
salto	coach	d 33 26 41.		115 39 12.	d	694.95
salto	coolidge	a 33 22 56.055		116 04 35.026	d	683.36
salto	cottonwo	a 33 43 05.429		115 54 32.809	d	1333.50
salto	cuyamaca	a 32 56 48.099		116 36 21.134	d	1984.86
salto	dixie	a 32 47 27.332		115 47 42.529	d	-2.13
salto	elephant	d 33 02 41.28		116 10 28.19	d	1035.41
salto	fish	a 32 58 54.182		115 58 47.676	d	711.40
salto	frink	a 33 21 36.997		115 38 46.195	d	-51.82
salto	frinkrm1	n 33 21 37.		115 38 46.	n	-51.80
salto	granite	a 33 03 03.871		116 23 43.183	d	1716.94
salto	jacumba	a 32 41 51.848		116 09 48.957	d	1375.26
salto	kane	a 33 03 40.943		115 49 22.435	d	43.28
salto	laquinta	a 33 42 14.455		116 18 42.577	a	383.40
salto	martinez	a 33 31 25.054		116 11 23.989	d	204.52
salto	mecca	a 33 38 03.160		116 01 43.508	d	500.48
salto	monu res	a 32 53 32.336		116 25 11.249	d	1911.41
salto	obsidian	a 33 10 16.237		115 38 12.617	d	-38.41
salto	ocotillo	a 33 07 52.088		116 06 29.494	d	138.68
salto	off 225	e 32 38 52.940		115 43 28.605	e	115.62
salto	off 229	a 32 37 56.440		115 55 54.178	d	530.96
salto	oldbeach	a 33 16 44.384		115 30 01.121	b	18.20
salto	orocopia	a 33 34 08.554		115 46 44.268	d	1162.81
salto	palm	a 33 18 28.158		116 07 31.199	a	822.50
salto	salton	a 33 25 51.347		115 48 53.277	d	30.18
salto	salva	a 33 14 01.007		115 15 38.360	d	629.72
salto	soda	a 33 10 42.792		115 55 01.345	d	63.70
salto	stage	a 32 54 54.061		116 17 05.008	d	858.32
salto	sub	n 32 57 17.		115 49 26.	n	228.30
salto	volcan	a 33 06 06.561		116 34 40.890	d	1631.60
salto	wilson	a 33 10 38.059		116 25 58.301	a	1397.90
salto	yak	a 33 06 08.393		116 15 35.931	d	1114.66
sanfe	5 n 10	b 34 15 43.2712		118 22 50.7324	d	361.80
sanfe	6 p 10	b 34 15 29.5521		118 20 11.4404	d	460.60
sanfe	bluff	a 34 17 14.4793		118 32 23.71593	a	502.55
sanfe	east	a 34 20 39.21369		118 31 10.99905	a	678.45
sanfe	may	a 34 21 08.05646		118 25 43.10485	a	1203.00
sanfe	mays 2	d 34 19 48.0		118 25 26.0	i	546.40
sanfe	mesa	b 34 20 30.1017		118 24 24.084	b	1108.40

Network		Latitude				Longitude				
sanfe mission	a	34	18	42.15943	118	31	58.45125	a	943.83
sanfe p 2	a	34	15	48.75371	118	24	25.50998	i	394.40
sanfe pe ?	a	34	17	22.29940	118	27	40.14552	a	413.94
sanfe pl 1	a	34	17	33.39436	118	24	19.62593	i	494.94
sanfe reserv	a	34	17	30.03184	118	29	14.33040	a	394.69
sanfe sf ?	a	34	27	14.89651	118	27	15.52461	a	736.91
sanfe sis el	a	34	16	08.39530	118	14	17.09001	d	1546.60
sanfe tuj rm1	b	34	16	53.959	118	20	01.346	d	617.10
sanga alderaux	n	34	22	54.0	118	02	01.0	a	2171.00
sanga ant aux	a	34	14	55.1475	117	40	27.0432	i	2076.30
sanga bad pow	a	34	21	30.39148	117	45	49.39781	k	2865.00
sanga disppint	n	34	14	56.0	118	06	12.0	d	1822.71
sanga hau ecc1	a	34	32	51.29517	118	12	52.56006	a	1581.10
sanga hauser	a	34	32	51.71850	118	12	52.64112	k	1580.40
sanga littejon	a	34	48	02.03129	118	48	06.41379	k	1444.10
sanga may	a	34	21	08.05645	118	25	43.10485	a	1203.00
sanga mtaleasn	a	34	23	12.66923	118	11	01.76183	k	1930.40
sanga pac1ncer	n	34	22	54.0	118	02	01.0	d	2171.00
sanga pac2ncer	n	34	22	54.0	118	02	01.0	a	2171.10
sanga pacifico	a	34	22	54.70081	118	02	01.25082	a	2174.50
sanga park rm3	n	34	27	35.0	118	13	04.0	n	1258.64
sanga parker	a	34	27	35.30890	118	13	04.36852	a	1259.10
sanga pelona	a	34	33	39.52238	118	21	18.45181	a	1478.50
sanga picpncer	n	34	19	49.0	118	35	00.0	n	1135.88
sanga port	a	34	23	10.88184	118	19	43.78398	a	1480.50
sanga port rm1	n	34	23	11.0	118	19	44.0	n	1480.50
sanga saw ecc	n	34	41	35.0	118	33	37.0	n	1680.00
sanga sawmill	a	34	41	35.37158	118	33	37.70817	a	1680.30
sanga siselsie	a	34	16	08.3953	118	14	17.09001	k	1546.70
sanga syl	n	34	21	08.05646	118	25	43.10485	n	1203.00
sanga tom	a	34	37	52.16711	117	53	51.83795	k	993.70
sanga warm rm2	n	34	35	44.0	118	34	44.0	n	1224.80
sanga warm spr	a	34	35	43.96599	118	34	43.88729	k	1224.80
sanga whax1rm3	n	34	34	03.0	118	44	30.0	n	1254.40
sanga whitaker	n	34	34	03.0	118	44	30.0	n	1255.40
srosa arrow	a	38	16	27.329	122	23	56.552	d	297.50
srosa bodega	a	38	18	22.57030	123	00	02.44920	a	184.80
srosa burnsid2	p	38	20	53.6978	122	51	48.7374	a	277.25
srosa burnside	b	38	20	52.055	122	51	49.936	b	280.00
srosa hooker	a	38	22	35.516	122	25	37.429	a	815.80
srosa mark	p	38	32	18.1363	122	42	35.4520	f	393.43
srosa petaluma	a	38	20	45.255	122	34	43.745	a	750.60
srosa taylor	p	38	24	02.6964	122	40	25.1694	a	427.70
srosa trenton	p	38	28	48.4196	122	52	08.9852	f	122.08

Network		Latitude				Longitude			
tehac avenue	a	34	46	36.4654	118	13	39.1372	i	720.16
tehac bald	a	35	16	21.002	118	05	39.347	a	1532.80
tehac black bu	a	34	31	42.71060	117	45	42.15696	a	943.10
tehac denis	a	34	37	52.6799	118	08	33.0587	a	789.07
tehac diorite	a	34	56	04.34356	118	36	51.42190	i	2033.30
tehac doub rm1	n	35	02	00.0	118	29	09.0	a	2435.20
tehac gneiss	a	34	57	33.04988	118	42	07.79565	a	1794.10
tehac leona	a	34	38	39.07923	118	19	23.80505	b	1215.20
tehac lit rock	a	34	30	48.25778	117	55	15.13413	a	930.32
tehac pajuela	a	35	07	14.80319	118	17	37.12715	i	1757.04
tehac pelona	a	34	33	39.52238	118	21	18.45181	a	1479.90
tehac police	a	34	54	10.93837	118	54	12.76370	i	1467.67
tehac policeec	n	34	54	10.0	118	54	12.0	i	1467.67
tehac rit rid	a	34	36	23.88765	118	12	49.11787	j	1025.30
tehac saw ecc	n	34	41	35.0	118	33	37.0	n	1680.00
tehac sawmill	a	34	41	35.37158	118	33	37.70817	a	1680.30
tehac soledad	a	34	58	57.12951	118	11	16.54177	i	1277.84
tehac tej32rm2	n	35	07	25.0	118	49	17.0	a	325.60
tehac tejon 32	a	35	07	25.75467	118	49	17.86908	a	326.00
tehac tejon 41	a	34	48	13.08552	118	48	52.62770	i	1484.38
tehac tenhi	a	34	31	50.28419	118	08	50.23269	b	1378.30
tehac thumb	a	34	51	45.76678	118	25	05.35193	i	837.20
tehac tom	a	34	37	52.16711	117	53	51.83795	a	993.80
tehac ward	a	34	29	29.49743	117	55	05.14626	a	1089.62
tehac weed rm1	n	35	13	23.0	118	55	53.0	n	107.00
tehac wh2 rm3	n	35	00	38.0	119	00	48.0	n	652.78
tehac wheeler2	a	35	00	38.22301	119	00	47.99264	i	652.78



R. Jachens' gravity stations. For coordinates contact R. Jachens.



GRAVITY

Gravity

A1	33	33.98	116	12.88
A1A	33	34.03	116	12.90
A2	33	32.04	115	58.38
A3	33	30.62	115	54.97
A4	33	27.36	115	51.38
A5	33	24.54	115	48.77
A6	33	22.68	115	46.92
A7	33	22.28	115	40.56
A8	33	26.95	115	41.23
B1	33	34.40	115	58.38
B2	33	35.24	115	57.27
B3	33	37.13	115	54.91
B4	33	38.04	115	51.32
B5	33	40.48	115	48.07
B6	33	42.95	115	48.47
B7	33	40.52	115	45.36
C1	33	53.92	116	37.35
C2	33	55.36	116	35.96
C3	33	57.86	116	35.23
C4	34	00.63	116	34.48
C5	34	02.11	116	35.39
C6	34	04.06	116	34.79
C7	34	04.90	116	32.00
C8	34	06.31	116	29.50
C9	34	23.56	116	24.74
C10	34	04.28	116	02.13
C11	34	04.01	116	01.43
D1	34	02.01	117	20.25
D2	34	04.18	117	19.56
D3	34	07.12	117	18.15
D4	34	09.59	117	20.01
D5	34	11.31	117	21.68
D6	34	12.44	117	24.59
D7	34	13.87	117	25.89
D8	34	16.45	117	27.13
D9	34	18.89	117	29.12
D10	34	19.59	117	25.34
D11	34	21.40	117	23.08
D12	34	22.37	117	19.26
E1	34	25.28	117	46.03
E2	34	36.14	117	49.73
E3	34	36.53	117	39.39
H99	33	43.34	116	57.77
D20	34	13.89	117	28.61
F1	34	03.15	117	53.55
F2	34	05.24	117	53.31
F3	34	06.86	117	54.39
F4	34	08.33	117	54.38
F5	34	09.81	117	53.48
F6	34	12.03	117	51.45
F7	34	14.76	117	51.97
F8	34	17.41	117	50.38
F9	34	17.96	117	49.95
F10	34	18.47	117	50.64

30	SALTON BASE	ESE/FETT	GRAVIT'
30	SALTON ALTERN	ESE/FETT	GRAVIT'
30	SALTON CLEVEL	ESE/FETT	GRAVIT'
30	SALTON PARKSI	ESE/FETT	GRAVIT'
30	SALTON FEFFUM	ESE/FETT	GRAVIT'
30	SALTON SEA	ESE/FETT	GRAVIT'
30	SALTON BERTRA	ESE/FETT	GRAVIT'
30	SALTON SPA	ESE/FETT	GRAVIT'
30	SALTON FRINK	ESE/FETT	GRAVIT'
30	MECCA POLES	ESE/FETT	GRAVIT'
30	MECCA CANYON	ESE/FETT	GRAVIT'
30	MECCA WELL	ESE/FETT	GRAVIT'
30	MECCA BURIED	ESE/FETT	GRAVIT'
30	MECCA ENTRANC	ESE/FETT	GRAVIT'
30	MECCA COTTONW	ESE/FETT	GRAVIT'
30	MECCA BEDROCK	ESE/FETT	GRAVIT'
30	YUCCA BASE	ESE/FETT	GRAVIT'
30	YUCCA POLES	ESE/FETT	GRAVIT'
30	YUCCA PIERSON	ESE/FETT	GRAVIT'
30	YUCCA FAULT	ESE/FETT	GRAVIT'
30	YUCCA REST	ESE/FETT	GRAVIT'
30	YUCCA JACINTO	ESE/FETT	GRAVIT'
30	YUCCA DIP	ESE/FETT	GRAVIT'
30	YUCCA PARK	ESE/FETT	GRAVIT'
30	YUCCA VALLEY	ESE/FETT	GRAVIT'
30	YUCCA JOSHUA	ESE/FETT	GRAVIT'
30	YUCCA USGS	ESE/FETT	GRAVIT'
30	CAJON SQUTH	ESE/FETT	GRAVIT'
30	CAJON COLTON	ESE/FETT	GRAVIT'
30	CAJON SAN BER	ESE/FETT	GRAVIT'
30	CAJON CULLIGA	ESE/FETT	GRAVIT'
30	CAJON PALM	ESE/FETT	GRAVIT'
30	CAJON DEVORE	ESE/FETT	GRAVIT'
30	CAJON RUDDELL	ESE/FETT	GRAVIT'
30	CAJON CAMP	ESE/FETT	GRAVIT'
30	CAJON MORMAN	ESE/FETT	GRAVIT'
30	CAJON SUMMIT	ESE/FETT	GRAVIT'
30	CAJON LUGO	ESE/FETT	GRAVIT'
30	CAJON AIRPORT	ESE/FETT	GRAVIT'
30	LLANO SLAB	ESE/FETT	GRAVIT'
30	LLANO LOVEJOY	ESE/FETT	GRAVIT'
30	LLANO EL MIRA	ESE/FETT	GRAVIT'
30	HEMET BASE	ESE/FETT	GRAVIT'
30	LYTLE BASE	ESE/FETT	GRAVIT'
30	AZUSA BASE	ESE/FETT	GRAVIT'
30	AZUSA CITY	ESE/FETT	GRAVIT'
30	AZUSA EDGE	ESE/FETT	GRAVIT'
30	AZUSA NORTH	ESE/FETT	GRAVIT'
30	AZUSA SIGN	ESE/FETT	GRAVIT'
30	AZUSA DAM	ESE/FETT	GRAVIT'
30	AZUSA FORKS	ESE/FETT	GRAVIT'
30	AZUSA COLDBRK	ESE/FETT	GRAVIT'
30	AZUSA LEDGE	ESE/FETT	GRAVIT'
30	AZUSA SLIDE	ESE/FETT	GRAVIT'

G1	34	18.54	118	28.49	90	CASTAIC	FERNA	ESE/FETT	GRAVITY
G2	34	22.22	118	30.19	90	CASTAIC	CITY	ESE/FETT	GRAVITY
G3	34	22.37	118	31.29	90	CASTAIC	HART	ESE/FETT	GRAVITY
G4	34	24.69	118	32.27	90	CASTAIC	SAUGU	ESE/FETT	GRAVITY
G5	34	25.71	118	35.06	90	CASTAIC	JUNCT	ESE/FETT	GRAVITY
G6	34	28.89	118	36.82	90	CASTAIC	BASE	ESE/FETT	GRAVITY
G7	34	30.61	118	35.87	90	CASTAIC	DAM	ESE/FETT	GRAVITY
G8	34	32.66	118	33.29	30	CASTAIC	LAKE	ESE/FETT	GRAVITY
G9	34	35.30	118	33.62	90	CASTAIC	CULVE	ESE/FETT	GRAVITY
G10	34	37.97	118	32.24	90	CASTAIC	TURNO	ESE/FETT	GRAVITY
G11	34	38.63	118	29.57	90	CASTAIC	BAPTI	ESE/FETT	GRAVITY
G12	34	40.41	118	27.38	90	CASTAIC	HUGHE	ESE/FETT	GRAVITY
G13	34	41.06	118	23.11	90	CASTAIC	LIZ	ESE/FETT	GRAVITY
G14	34	31.71	118	38.53	90	CASTAIC	TOWER	ESE/FETT	GRAVITY
G15	34	35.25	118	39.56	90	CASTAIC	SURGE	ESE/FETT	GRAVITY
G16	34	35.69	118	41.00	90	CASTAIC	LOOP	ESE/FETT	GRAVITY
G17	34	37.55	118	42.32	90	CASTAIC	RIDGE	ESE/FETT	GRAVITY
G18	34	39.15	118	43.64	90	CASTAIC	LINES	ESE/FETT	GRAVITY
G19	34	42.03	118	43.06	90	CASTAIC	SADDL	ESE/FETT	GRAVITY
G20	34	44.65	118	42.71	90	CASTAIC	QUAIL	ESE/FETT	GRAVITY
G21	34	46.29	118	45.50	90	CASTAIC	AQUAD	ESE/FETT	GRAVITY
G22	34	46.68	118	47.38	90	CASTAIC	POST	ESE/FETT	GRAVITY
G23	34	47.55	118	49.99	90	CASTAIC	GORMA	ESE/FETT	GRAVITY
G24	34	49.06	118	52.77	90	CASTAIC	LA-KE	ESE/FETT	GRAVITY
G25	34	52.53	118	53.33	90	CASTAIC	FTTEJ	ESE/FETT	GRAVITY
G26	34	44.46	118	42.53	90	CASTAIC	SANDE	ESE/FETT	GRAVITY
G27	34	44.46	118	42.53	90	CASTAIC	SANDE	ESE/FETT	GRAVITY
H1	34	17.08	119	17.69	90	CUYAMA	VENTUR	ESE/FETT	GRAVITY
H2	34	25.55	119	17.15	90	CUYAMA	OAKS	ESE/FETT	GRAVITY
H3	34	30.70	119	17.88	90	CUYAMA	WHEELE	ESE/FETT	GRAVITY
H4	34	33.44	119	16.04	90	CUYAMA	HARTMA	ESE/FETT	GRAVITY
H5	34	36.64	119	21.98	90	CUYAMA	SANDST	ESE/FETT	GRAVITY
H6	34	40.45	119	22.23	90	CUYAMA	BASE	ESE/FETT	GRAVITY
H7	34	56.29	119	29.53	90	CUYAMA	GAP	ESE/FETT	GRAVITY
H8	34	56.86	119	27.27	90	CUYAMA	STUBBL	ESE/FETT	GRAVITY
H9	34	58.48	119	26.08	90	CUYAMA	PASS	ESE/FETT	GRAVITY
H10	35	00.30	119	25.16	90	CUYAMA	GROCER	ESE/FETT	GRAVITY
H11	35	02.93	119	24.83	90	CUYAMA	MARICO	ESE/FETT	GRAVITY

NOTE: Some of the coordinates supplied by the Contractor may be in error. An addendum will be supplied when available.

Following is a listing of more gravity stations that have been observed semiannually for 5 years. There is no map for these stations.

STATION		LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	ELEVATION IN METERS	STATION NAME
ESE	1	N33 49.859	W117 10.681	475	LAKEVIEW BASE
ESE	2	N33 52.191	W117 3.170	435	LAMB BRIDGE
ESE	3	N33 58.959	W116 59.069	902	LAMB CHERRY
ESE	4	N33 54.000	W117 59.000	750	LAMB NORTH
ESE	5	N33 53.978	W117 59.186	735	LAMB NORTH GRANITE
ESE	6	N33 53.978	W117 59.190	701	LAMB SOUTH GRANITE
ESE	7	N33 51.186	W117 0.445	503	LAMB GATE TWO
ESE	8	N33 52.111	W117 0.472	599	LAMB CLIFF
ESE	9	N33 51.665	W117 0.490	556	LAMB OLD ROAD
ESE	10	N33 51.187	W117 0.435	503	LAMB GATE ONE
ESE	11	N33 50.879	W117 0.243	469	LAMB BOTTOM
ESE	12	N33 49.380	W117 0.215	445	LAMB AST
ESE	20	N33 46.055	W117 8.256	470	LAKEVIEW WEST
ESE	21	N33 45.412	W117 6.776	546	LAKEVIEW SOUTH
ESE	22	N33 46.472	W117 5.095	661	LAKEVIEW TOP
ESE	23	N33 47.422	W117 4.974	587	LAKEVIEW CENTER
ESE	24	N33 50.061	W117 4.974	469	LAKEVIEW NUTRALITE
ESE	25	N33 50.245	W117 3.958	466	LAKEVIEW AQUADUCT
ESE	26	N33 43.175	W117 9.692	482	LAKEVIEW MC CALL
ESE	27	N33 41.107	W117 12.353	433	LAKEVIEW SUN
ESE	28	N33 38.760	W117 12.357	512	LAKEVIEW BUNDY
ESE	29	N33 37.634	W117 14.889	483	LAKEVIEW CLARK
ESE	30	N33 44.040	W116 55.520	529	POPPET MERIDIAN
ESE	31	N33 47.191	W116 55.927	488	POPPET DIKE
ESE	32	N33 46.438	W116 54.612	492	POPPET RESERVATION
ESE	33	N33 48.045	W116 53.265	637	POPPET ROCK
ESE	34	N33 48.657	W116 53.267	768	POPPET FORD
ESE	35	N33 49.523	W116 52.226	963	POPPET MEADOW
ESE	36	N33 50.012	W116 52.039	1018	POPPET OAKS
ESE	37	N33 53.067	W116 51.280	1152	POPPET ICY
ESE	38	N33 58.172	W116 52.930	900	POPPET BANNING
ESE	39	N33 43.346	W116 58.246	483	SAGE STATE ALTERNATE
ESE	40	N33 43.346	W116 58.246	483	SAGE STATE

Moore Business Forms, Inc.

STATION	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	ELEVATION IN METERS	STATION NAME
ESE 41	N33 41.149	W116 58.933	492	SAGE NEWPORT
ESE 42	N33 39.534	W116 56.604	549	SAGE DIAMOND
ESE 43	N33 38.538	W116 56.323	593	SAGE ST. JOHNS
ESE 44	N33 36.632	W116 56.026	796	SAGE NORTH
ESE 45	N33 34.375	W116 55.315	760	SAGE SOUTH
ESE 46	N33 33.009	W116 54.409	669	SAGE LEWIS VALLEY
ESE 47	N33 31.506	W116 53.965	725	SAGE ROUND TOP
ESE 48	N33 33.172	W116 54.209	539	SAGE INDIAN
ESE 49	N33 32.036	W116 30.318	1396	ANZA SANTA ROSA
ESE 50	N33 26.427	W116 51.402	607	ANZA AGUANGA
ESE 51	N33 29.068	W116 50.118	875	ANZA WILSON
ESE 52	N33 29.879	W116 48.565	1082	ANZA BM C586
ESE 53	N33 31.070	W116 45.520	1078	ANZA BM C586
ESE 54	N33 31.645	W116 40.642	1085	ANZA WEST
ESE 55	N33 31.710	W116 33.321	1335	ANZA FIRE SIGN
ESE 56	N33 32.088	W116 32.731	1458	ANZA JUNCTION
ESE 57	N33 35.624	W116 26.285	1292	ANZA PP28
ESE 58	N33 38.201	W116 24.155	823	ANZA PP18
ESE 59	N33 43.593	W116 24.261	65	ANZA PP3
ESE 60	N33 33.684	W117 15.945	439	LAKEVIEW KEITH
ESE 61	N33 31.680	W117 16.417	549	LAKEVIEW TENAJA
ESE 62	N33 31.068	W117 18.839	671	LAKEVIEW PIT
ESE 65	N33 21.714	W117 12.175	165	RAINBOW LIVE OAK
ESE 66	N33 24.743	W117 9.557	317	RAINBOW RAINBOW
ESE 67	N33 27.641	W117 7.618	343	RAINBOW GOLF
ESE 68	N33 34.536	W117 8.061	402	RAINBOW MURRIETA
ESE 69	N33 38.721	W117 5.000	482	RAINBOW SCOTT
ESE 75	N33 2.863	W116 49.338	538	BORREGO RAMONA
ESE 76	N33 4.281	W116 45.793	765	BORREGO TERESA
ESE 77	N33 9.216	W116 42.765	1067	BORREGO MESA
ESE 78	N33 12.533	W116 44.094	908	BORREGO HENSHAW
ESE 79	N33 19.611	W116 40.719	939	BORREGO LA CRUZ
ESE 80	N33 14.699	W116 40.149	872	BORREGO SAN FELIPE

Moore Business Forms, Inc.

STATION	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	ELEVATION IN METERS	STATION NAME
ESE 81	N33 12.603	W116 36.132	1084	BORREGO CATTLE GUARD
ESE 82	N33 10.281	W116 33.931	885	BORREGO QUAKE VALLEY
ESE 83	N33 2.356	W116 25.538	786	BORREGO BLAIR VALLEY
ESE 85	N33 7.865	W116 18.211	341	BORREGO HILLTOP
ESE 86	N33 9.649	W116 9.084	110	BORREGO OCOTILLO
ESE 87	N33 8.378	W116 6.248	50	BORREGO MONUMENT
ESE 88	N33 7.528	W116 3.186	13	BORREGO CURVE
ESE 89	N33 7.533	W115 58.842	6	BORREGO SUBSTATION
ESE 90	N33 8.135	W116 22.726	440	BORREGO S3 JUNCTION
ESE 91	N33 8.377	W116 6.250	50	BORREGO MONUMENT ALTERN.
ESE 97	N33 40.137	W116 24.506	317	ANZA PP8
ESE 98	N33 43.345	W116 57.777	509	HEMET ALTERNATE BASE
ESE 99	N33 43.343	W116 57.779	509	HEMET BASE
ESE 100	N34 8.170	W118 7.590	233	CAL TECH BASE
ESE 101	N33 35.000	W117 12.345	384	MORENO ALESANDRO
ESE 102	N33 53.234	W117 10.584	552	MORENO NORTH LAKE
ESE 103	N33 55.746	W117 10.326	524	MORENO PETTIT
ESE 104	N33 56.184	W117 11.457	533	MORENO SOUTH NASON
ESE 105	N33 56.554	W117 11.432	559	MORENO NORTH NASON
ESE 106	N33 56.787	W117 10.715	562	MORENO IRONWOOD
ESE 107	N33 57.824	W117 54.584	627	MORENO FAULT
ESE 108	N33 58.883	W117 54.276	555	MORENO MID CANYON
ESE 109	N33 59.312	W117 54.260	523	MORENO LOWER CANYON
ESE 110	N33 59.561	W117 54.163	501	MORENO TIMOTEO
ESE 111	N33 50.298	W117 15.990	487	MORENO CAJALCO
ESE 112	N33 50.475	W117 19.828	496	MORENO WOOD
ESE 114	N33 49.552	W117 26.896	433	MORENO MATHEWS
ESE 115	N34 2.412	W117 6.150	683	MORENO CRAFTON
ESE 120	N33 51.033	W117 31.894	265	MORENO BEL AIRE
ESE 123	N33 51.906	W117 42.780	152	MORENO GYPSUM
ESE 124	N33 44.823	W117 34.955	559	MORENO SILVERADO
ESE 125	N33 44.914	W117 40.055	308	MORENO SANTIAGO
ESE 126	N33 44.914	W117 40.055	308	MORENO SILVERADO

SAME AS H99 → IN MONTHLY OBSERVATIONS

Moore Business Forms, Inc.

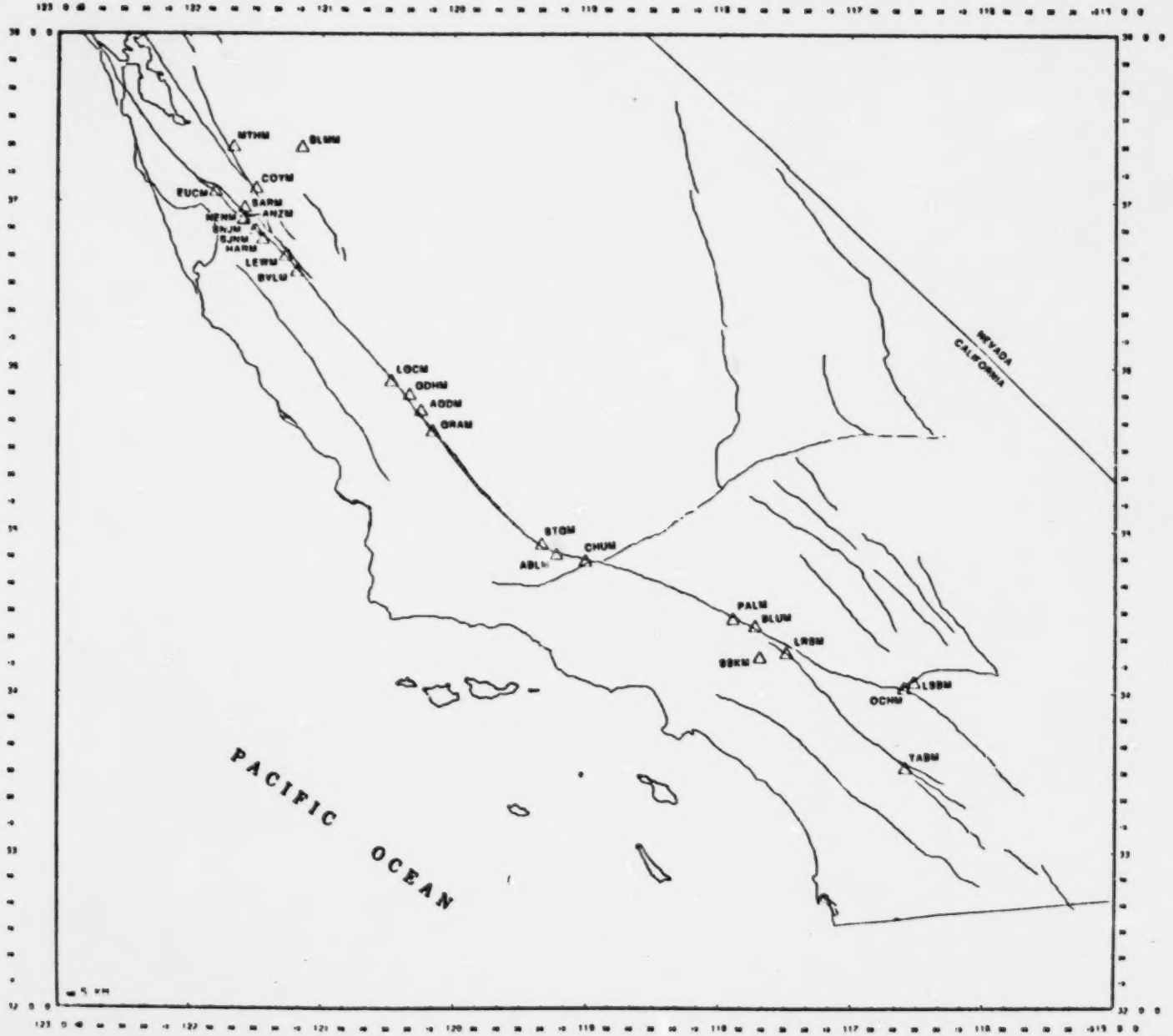
STATION	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	ELEVATION IN METERS	STATION NAME
ESE 149	N34 57.477	W117 18.315	425	RIVERSIDE BASE
ESE 150	N34 13.895	W117 28.612	839	LYTLE BASE
ESE 151	N34 12.659	W117 27.440	722	LYTLE FORD
ESE 152	N34 11.898	W117 27.373	852	LYTLE SEVAINE 1
ESE 153	N34 11.761	W117 27.760	905	LYTLE SEVAINE 2
ESE 154	N34 11.551	W117 27.812	985	LYTLE SEVAINE 3
ESE 156	N34 11.938	W117 28.806	1382	LYTLE SOUTH
ESE 157	N34 14.489	W117 29.905	915	LYTLE ROCK
ESE 158	N34 14.590	W117 29.776	925	LYTLE BEER
ESE 159	N34 32.210	W117 17.090	844	LYTLE NARROWS
ESE 160	N34 35.321	W117 15.570	899	LYTLE BELL MTN RD
ESE 161	N34 38.873	W117 12.864	967	LYTLE BOULDER RD
ESE 162	N34 47.173	W117 7.464	806	SPLIT ROCKS
ESE 164	N34 1.113	W117 28.239	272	LYTLE JURUPA
ESE 165	N33 56.319	W117 33.474	208	LYTLE NORCO
ESE 166	N33 55.319	W117 39.401	186	LYTLE PRADO
ESE 167	N33 55.410	W117 42.291	226	LYTLE BANE
ESE 168	N33 57.227	W117 44.103	302	LYTLE SOQUEL
ESE 170	N34 22.378	W117 41.351	2091	BIG PINE JUNCTION
ESE 171	N34 22.976	W117 41.057	2291	BIG PINE TABLE
ESE 172	N34 22.933	W117 40.922	2289	BIG PINE J. P. L.
ESE 173	N34 22.318	W117 42.649	2294	BIG PINE BLUE RIDGE
ESE 174	N34 22.421	W117 45.040	2012	BIG PINE VINCENT
ESE 177	N34 23.476	W117 42.566	1913	BIG PINE HAIRPIN
ESE 178	N34 23.203	W117 42.723	1882	BIG PINE APPLE
ESE 179	N34 25.288	W117 46.031	1475	BIG PINE SLAB
ESE 180	N34 29.952	W118 7.136	983	PALMDALE SADDLE
ESE 181	N34 29.440	W118 7.685	951	PALMDALE R. R. ROCK
ESE 182	N34 28.624	W118 10.000	864	PALMDALE SOLEDAD INN
ESE 183	N34 26.825	W118 12.661	786	PALMDALE R. R. CULVERT
ESE 184	N34 33.363	W118 7.011	847	PALMDALE NORTHWEST
ESE 185	N34 32.462	W118 4.612	878	PALMDALE NORTHEAST
ESE 187	N34 38.318	W118 5.878	762	PALMDALE ROCKWELL

OMIT — ONLY DID ONCE

STATION	LATITUDE DEG. MIN.	LONGITUDE DEG. MIN.	ELEVATION IN METERS	STATION NAME
ESE 188	N34 38.318	W118 5.881	762	PALMDALE ROCKWELL ALT
ESE 189	N34 28.844	W118 7.007	988	PALMDALE BASE
ESE 190	N34 52.569	W118 10.008	753	PALMDALE ROSAMOND
ESE 191	N34 59.807	W118 14.906	869	PALMDALE SOLEDAD MTN.
ESE 192	N35 0.236	W118 9.588	811	PALMDALE SILVER
ESE 197	N33 57.824	W117 54.584	627	MORENO FAULT 2
OMIT → ESE 198	N37 27.340	W122 10.180	16	MENLO PARK A BASE
OMIT → ESE 199	N34 15.375	W115 43.024	681	AMBOY BASE

ONLY DID THESE TWO DURING FIRST 1 1/2 YEARS

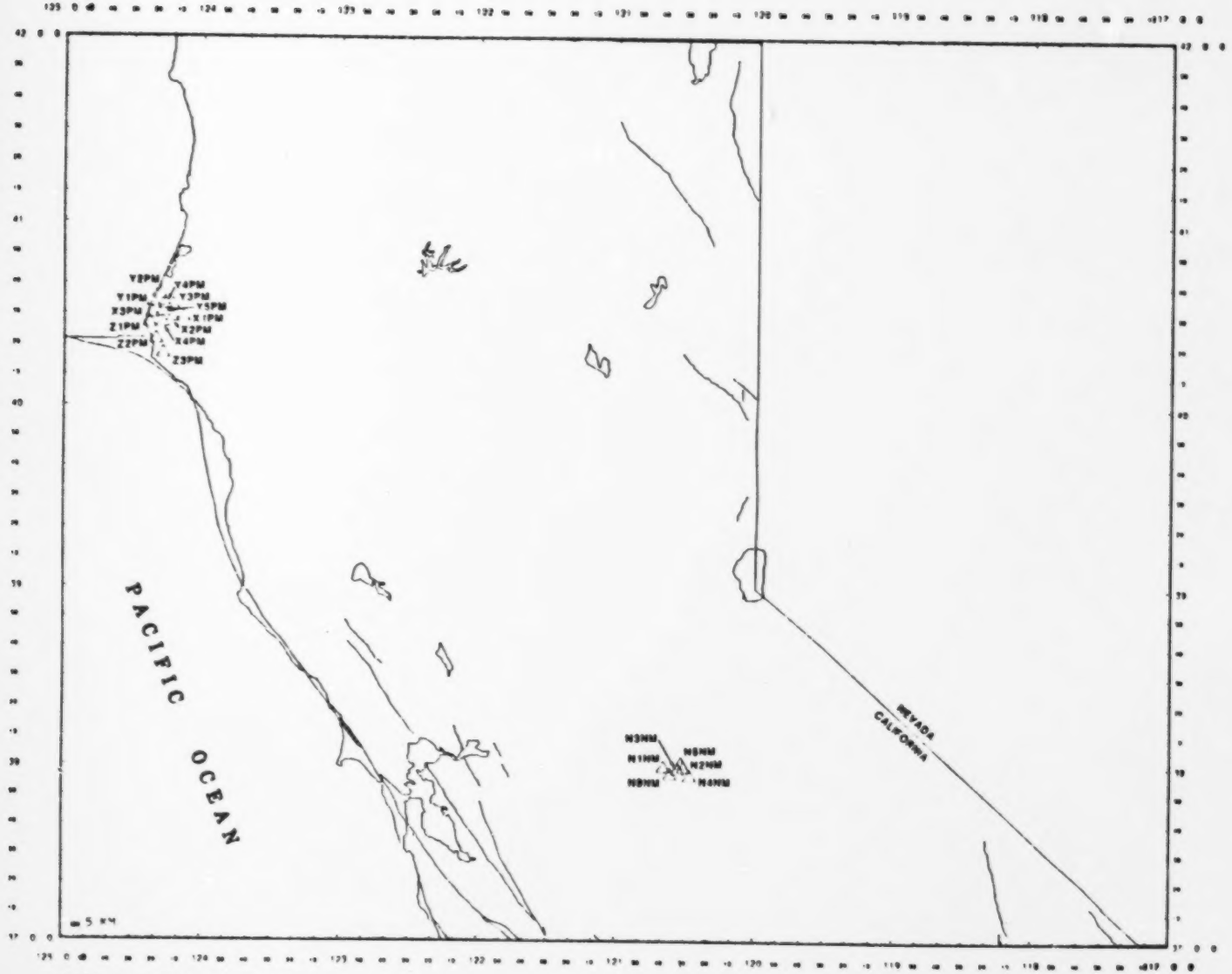
Moore Business Forms Inc



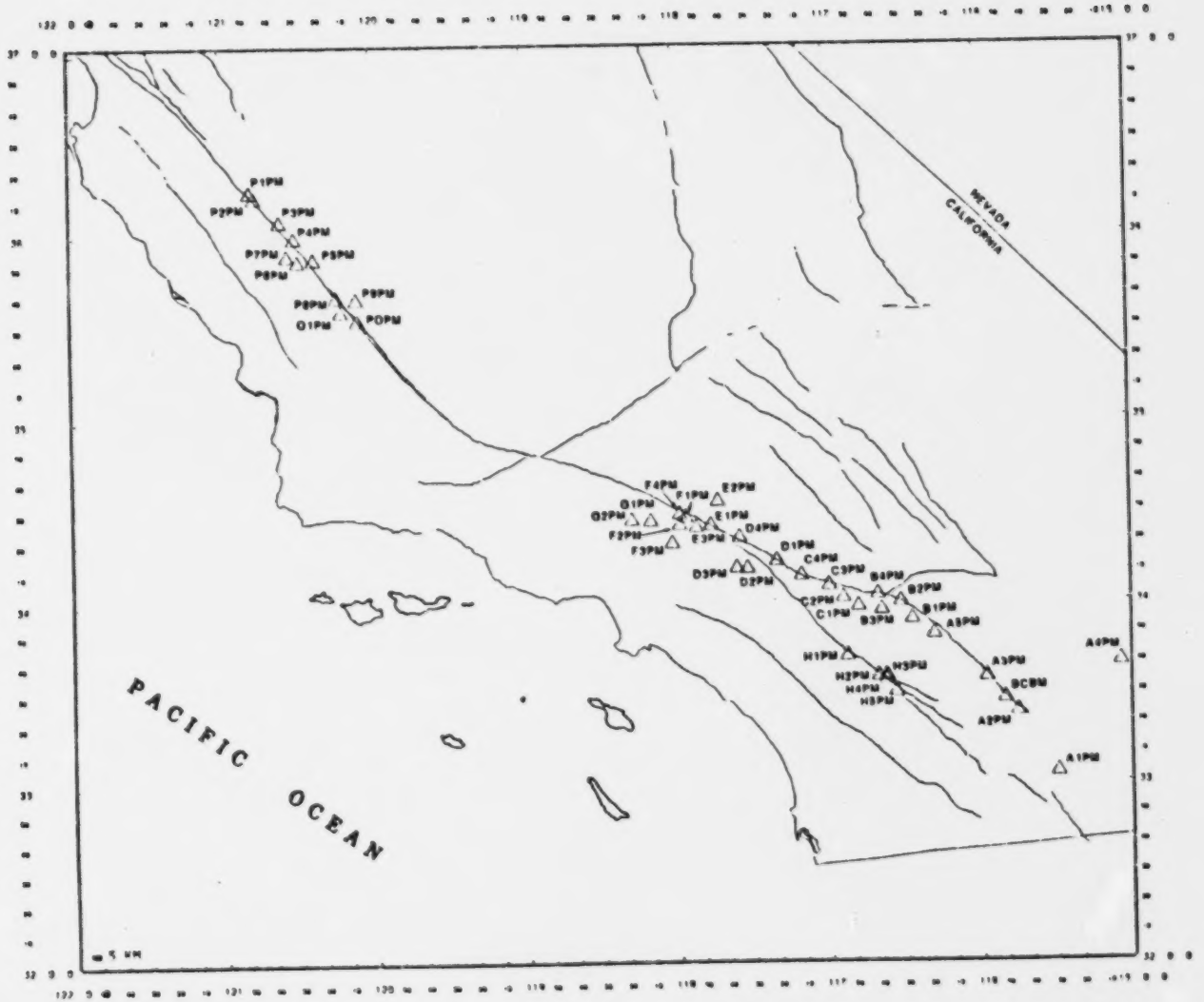
PERMANENT MAGNETOMETERS

Permanent Magnetometer

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
ABLM	34 50.88	119 13.44		MT ABLE	USGS	PERMAG
AGDM	35 43.62	120 14.94		ANTELOPE GRD	USGS	PERMAG
ANZM	36 53.10	121 35.46		ANZAR	USGS	PERMAG
BLMM	37 19.08	121 09.06		BLK MTN	USGS	PERMAG
BLUM	34 24.36	117 43.56		BLUE RIDGE	USGS	PERMAG
BVLM	36 34.20	121 11.34		BEAR VLY	USGS	PERMAG
CHUM	34 48.36	119 00.42		CHUCHUPATE	USGS	PERMAG
COYM	37 04.20	121 29.70		COYOTE RESERV	USGS	PERMAG
EUCM	37 03.12	121 48.18		EUREKA CANYON	USGS	PERMAG
GDHM	35 49.44	120 20.28		GOLD HILL	USGS	PERMAG
GRAM	35 36.12	120 09.84		GRANT RANCH	USGS	PERMAG
HARM	36 45.90	121 26.76		HARRIS RANCH	USGS	PERMAG
LEWM	36 39.84	121 16.44		LEWIS RANCH	USGS	PERMAG
LGCM	35 54.36	120 28.56		LANGE CANYON	USGS	PERMAG
LRSM	34 14.40	117 29.40		LYTLE CRK RAN	USGS	PERMAG
LSBM	34 03.54	116 31.52		LITTLE SAN BE	USGS	PERMAG
MTHM	37 19.20	121 40.02		MT HAMILTON	USGS	PERMAG
NENM	36 52.86	121 35.70		NEW ANZAR	USGS	PERMAG
OCHM	34 01.44	116 36.00		OLD CANYON HOUSE	USGS	PERMAG
PALM	34 26.94	117 53.52		PALMDALE	USGS	PERMAG
SARM	36 57.24	121 34.92		SARGENT	USGS	PERMAG
SJNM	36 49.08	121 29.94		SAN JUAN S	USGS	PERMAG
SNJM	36 51.00	121 33.00		SAN JUAN N	USGS	PERMAG
SSKM	34 12.72	117 41.46		SUNSET PK	USGS	PERMAG
STGM	34 54.60	119 20.10		SANTIAGO	USGS	PERMAG
TABM	33 31.56	116 35.46		TABLE MT	USGS	PERMAG



PORTABLE MAGNETOMETERS



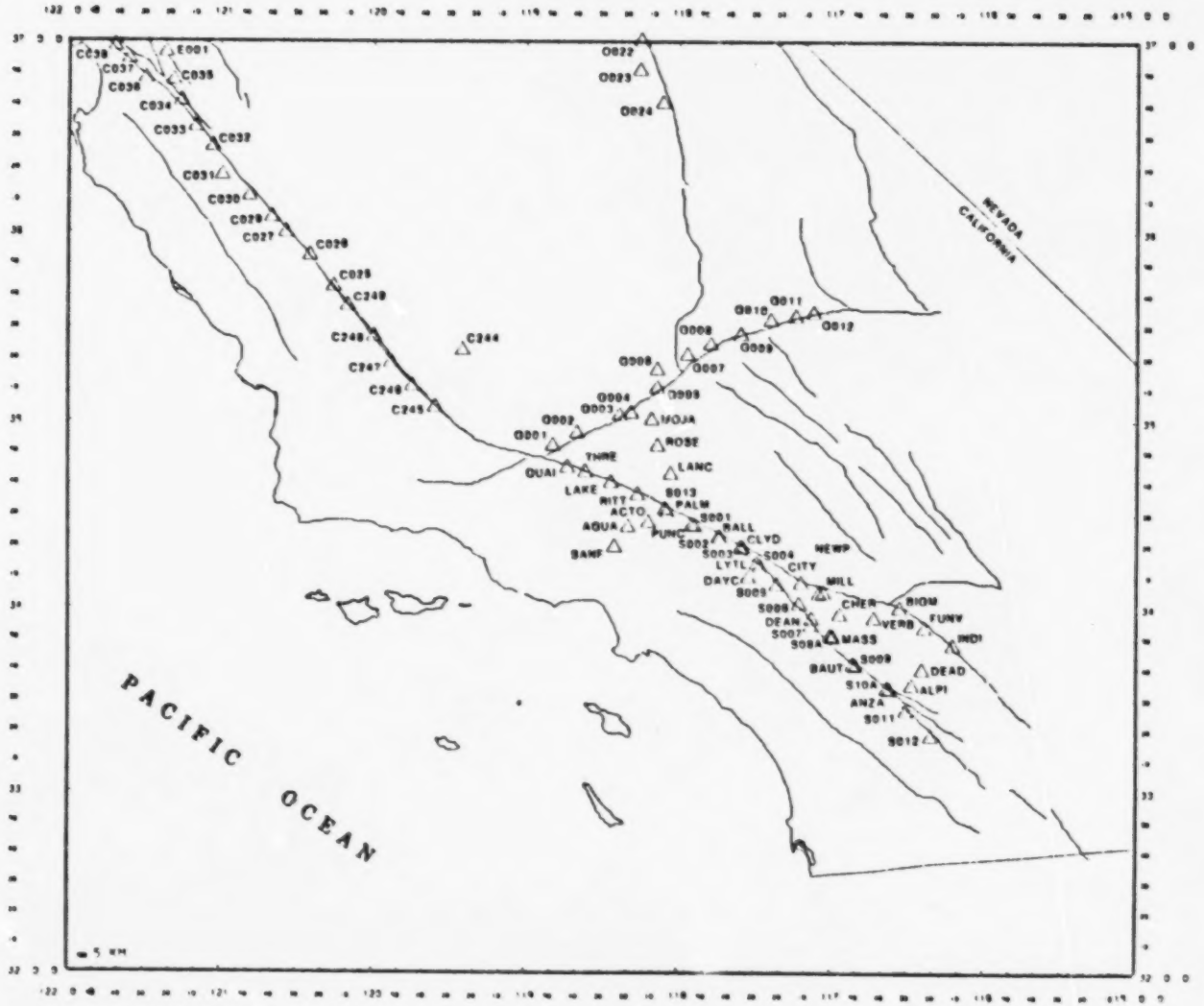
PORTABLE MAGNETOMETERS

Portable Magnetometers

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
A1PM	33 03.00	115 29.76		WEIST LAKE	USGS	PORMAC
A2PM	33 23.28	115 45.42		BERTRAM MINE	USGS	PORMAC
A3PM	33 34.74	115 57.78		MECCA HILLS	USGS	PORMAC
A4PM	33 39.60	115 04.38		THERM CAN	USGS	PORMAC
A5PM	33 49.02	116 18.36		HIDDEN PALMS	USGS	PORMAC
BCBM	33 27.54	115 50.46		BAT CAVE BUTTE	USGS	PORMAC
B1PM	33 54.00	116 27.00		SING TREES RA	USGS	PORMAC
B2PM	33 59.76	116 31.44		LOST HEAD RAN	USGS	PORMAC
B3PM	33 57.06	116 39.06		WHITE WATER	USGS	PORMAC
B4PM	34 02.22	116 40.56		CATCLAW FLAT	USGS	PORMAC
C1PM	33 58.26	116 48.30		MILLARD CANYON	USGS	PORMAC
C2PM	34 01.26	116 54.30		PINE FLAT	USGS	PORMAC
C3PM	34 05.28	116 59.82		YUCAIPA RIDGE	USGS	PORMAC
C4PM	34 08.58	117 10.74		CITY CREEK	USGS	PORMAC
D1PM	34 13.44	117 20.46		BAILEY CANYON	USGS	PORMAC
D2PM	34 10.98	117 32.04		DAY CANYON	USGS	PORMAC
D3PM	34 11.16	117 36.30		CUCAMONGA PK	USGS	PORMAC
D4PM	34 21.18	117 35.16		HORSETHIEF CA	USGS	PORMAC
E1PM	34 25.20	117 46.44		MILE HIGH	USGS	PORMAC
E2PM	34 33.06	117 43.62		BLACK BUTTE	USGS	PORMAC
E3PM	34 24.60	117 52.26		PUNCH BOWL	USGS	PORMAC
F1PM	34 27.90	117 56.28		JUNIPER BOWL	USGS	PORMAC
F2PM	34 25.44	117 58.86		LITTLE ROCK C	USGS	PORMAC
F3PM	34 19.38	118 01.86		CHILAO FLAT	USGS	PORMAC
F4PM	34 28.92	117 58.86		BLM 1	USGS	PORMAC
G1PM	34 26.64	118 10.32		AGUA DULE	USGS	PORMAC
G2PM	34 26.94	118 17.88		AGUA DULCE	USGS	PORMAC
H1PM	33 41.94	116 52.92		HEMET	USGS	PORMAC
H2PM	33 35.16	116 40.62		CAHUILLA CK	USGS	PORMAC
H3PM	33 35.22	116 37.38		THOMAS MTN	USGS	PORMAC
H4PM	33 34.14	116 37.68		ANZA VALLEY	USGS	PORMAC
H5PM	33 30.00	116 33.72		TABLE MTN	USGS	PORMAC
N1NM	37 59.46	120 39.24		COPPEROPOLIS	USGS	PORMAC
N2NM	37 59.28	120 30.48		REYNOLDS FERR	USGS	PORMAC
N3NM	37 58.68	120 33.06		BARTH MTN	USGS	PORMAC
N4NM	37 56.40	120 27.96		TABLE MTN	USGS	PORMAC
N5NM	38 00.66	120 31.62		CARSON CRK	USGS	PORMAC
N6NM	37 57.00	120 36.42		LIGHTNER PK	USGS	PORMAC
P0PM	35 32.10	120 05.70		BITTERWATER	USGS	PORMAC
P1PM	36 13.56	120 48.06		MONARCH PK	USGS	PORMAC
P2PM	36 11.64	120 46.44		MUSTANG RIDGE	USGS	PORMAC
P3PM	36 04.02	120 36.30		SMITH MTN	USGS	PORMAC
P4PM	35 58.74	120 30.60		LITTLE CHOLAM	USGS	PORMAC
P5PM	35 51.90	120 22.92		TURKEY FLAT	USGS	PORMAC
P6PM	35 51.30	120 29.16		HOG CANYON	USGS	PORMAC
P7PM	35 53.10	120 33.42		VINEYARD CANY	USGS	PORMAC
P8PM	35 39.60	120 14.10		PALO PRIETO	USGS	PORMAC
P9PM	35 39.00	120 06.18		BARREL VLY	USGS	PORMAC
Q1PM	35 35.10	120 12.30		HOLLAND CANYO	USGS	PORMAC
X1PM	40 28.86	124 08.28		MENDOCINO	USGS	PORMAC
X2PM	40 28.74	124 13.08		MENDOCINO	USGS	PORMAC
X3PM	40 30.00	124 21.72		MENDOCINO	USGS	PORMAC
X4PM	40 27.00	124 17.34		MENDOCINO	USGS	PORMAC
Y1PM	40 33.78	124 21.30		MENDOCINO	USGS	PORMAC
Y2PM	40 36.06	124 18.30		MENDOCINO	USGS	PORMAC

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
Y3PM	40 32.58	124 12.78		MENDOCINO	USGS	PORMAG
Y4PM	40 32.82	124 16.20		MENDOCINO	USGS	PORMAG
Y5PM	40 30.36	124 17.22		MENDOCINO	USGS	PORMAG
Z1PM	40 26.94	124 22.98		MENDOCINO	USGS	PORMAG
Z2PM	40 21.54	124 20.10		MENDOCINO	USGS	PORMAG
Z3PM	40 16.92	124 17.04		MENDOCINO	USGS	PORMAG

SURVEY MAGNETOMETERS



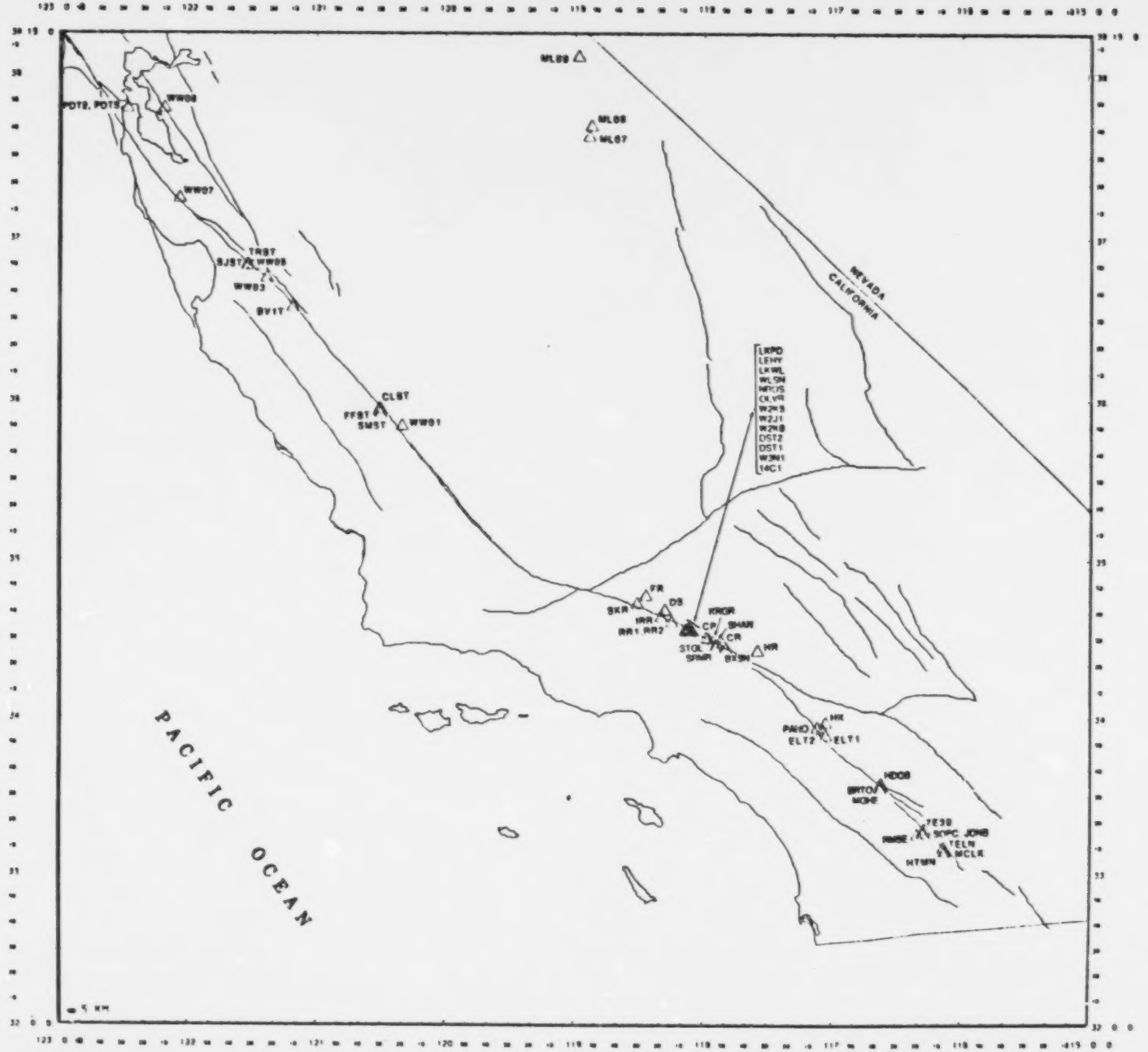
SURVEY MAGNETOMETERS

Survey Magnetometers

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
ACTO	34 27.38	118 12.00		ACTON	USGS	SURMA
AGUA	34 26.00	118 20.00		AGUA DULCE	USGS	SURMA
ALPI	33 34.56	116 28.50		ALPINE VLG	USGS	SURMA
ANZA	33 33.13	116 37.25		ANZA VALLEY	USGS	SURMA
BALL	34 22.56	117 43.95		BALL FLAT	USGS	SURMA
BAUT	33 41.31	116 51.62		BAUTISTA CAN	USGS	SURMA
BIGM	33 59.69	116 33.25		BIG MORONGO	USGS	SURMA
C025	35 42.75	120 15.75		CENTRAL CA	USGS	SURMA
C026	35 52.50	120 25.00		CENTRAL CA	USGS	SURMA
C027	35 59.75	120 34.50		CENTRAL CA	USGS	SURMA
C029	36 04.50	120 40.00		CENTRAL CA	USGS	SURMA
C030	36 11.25	120 48.75		CENTRAL CA	USGS	SURMA
C031	36 17.75	120 59.50		CENTRAL CA	USGS	SURMA
C032	36 26.75	121 03.25		CENTRAL CA	USGS	SURMA
C033	36 33.00	121 10.00		CENTRAL CA	USGS	SURMA
C034	36 41.00	121 15.75		CENTRAL CA	USGS	SURMA
C035	36 47.51	121 18.75		CENTRAL CA	USGS	SURMA
C036	36 48.13	121 29.75		CENTRAL CA	USGS	SURMA
C037	36 54.13	121 36.25		CENTRAL CA	USGS	SURMA
C038	36 58.00	121 41.75		CENTRAL CA	USGS	SURMA
C039	37 02.25	121 46.75		CENTRAL CA	USGS	SURMA
C040	37 05.87	121 53.00		CENTRAL CA	USGS	SURMA
C041	37 10.25	122 00.75		CENTRAL CA	USGS	SURMA
C042	37 17.75	122 07.50		CENTRAL CA	USGS	SURMA
C043	37 26.00	122 10.25		CENTRAL CA	USGS	SURMA
C044	37 23.75	122 14.00		CENTRAL CA	USGS	SURMA
C045	37 27.50	122 17.75		CENTRAL CA	USGS	SURMA
C046	37 30.25	122 19.25		CENTRAL CA	USGS	SURMA
C047	37 32.75	122 22.00		CENTRAL CA	USGS	SURMA
C048	37 35.75	122 25.00		CENTRAL CA	USGS	SURMA
C049	37 38.50	122 27.25		CENTRAL CA	USGS	SURMA
C050	37 43.00	122 28.50		CENTRAL CA	USGS	SURMA
C244	35 22.50	119 25.25		CENTRAL CA	USGS	SURMA
C245	35 04.25	119 36.00		CENTRAL CA	USGS	SURMA
C246	35 11.00	119 45.00		CENTRAL CA	USGS	SURMA
C247	35 18.50	119 53.25		CENTRAL CA	USGS	SURMA
C248	35 26.75	120 00.00		CENTRAL CA	USGS	SURMA
C249	35 36.62	120 10.25		CENTRAL CA	USGS	SURMA
CHER	33 57.62	116 56.87		CHERRY	USGS	SURMA
CITY	34 07.88	117 12.00		CITY CREEK	USGS	SURMA
CLYD	34 19.00	117 34.88		CLYDE RANCH	USGS	SURMA
DAYC	34 09.75	117 32.75		DAY CANYON	USGS	SURMA
DEAD	33 39.62	116 24.38		DEAD IND CRK	USGS	SURMA
DEAN	33 56.25	117 07.88		DE ANZA	USGS	SURMA
E001	36 56.25	121 21.75		EAST BAY	USGS	SURMA
E002	37 03.75	121 31.25		EAST BAY	USGS	SURMA
E003	37 12.50	121 31.25		EAST BAY	USGS	SURMA
E004	37 20.50	121 43.75		EAST BAY	USGS	SURMA
E005	37 28.50	121 50.00		EAST BAY	USGS	SURMA
E006	37 35.75	121 58.75		EAST BAY	USGS	SURMA
E007	37 43.00	122 04.50		EAST BAY	USGS	SURMA
E008	37 51.00	122 12.23		EAST BAY	USGS	SURMA
E009	37 59.75	122 20.00		EAST BAY	USGS	SURMA
E010	38 08.75	122 27.75		EAST BAY	USGS	SURMA

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
E011	38 18.00	122 35.75		EAST BAY	USGS	SURMAG
E012	38 27.50	122 42.75		EAST BAY	USGS	SURMAG
E013	38 34.75	122 50.25		EAST BAY	USGS	SURMAG
E014	38 42.49	122 57.00		EAST BAY	USGS	SURMAG
FUNV	33 53.19	116 23.50		FUN VALLEY	USGS	SURMAG
G001	34 52.00	118 49.50		GARLOCK FLT	USGS	SURMAG
G002	34 56.00	118 40.00		GARLOCK FLT	USGS	SURMAG
G003	35 01.75	118 23.25		GARLOCK FLT	USGS	SURMAG
G004	35 02.38	118 18.75		GARLOCK FLT	USGS	SURMAG
G005	35 10.50	118 08.50		GARLOCK FLT	USGS	SURMAG
G006	35 16.25	118 08.50		GARLOCK FLT	USGS	SURMAG
G007	35 21.00	117 56.63		GARLOCK FLT	USGS	SURMAG
G008	35 24.38	117 47.50		GARLOCK FLT	USGS	SURMAG
G009	35 27.38	117 35.75		GARLOCK FLT	USGS	SURMAG
G010	35 32.00	117 24.00		GARLOCK FLT	USGS	SURMAG
G011	35 33.13	117 14.25		GARLOCK FLT	USGS	SURMAG
G012	35 34.25	117 07.25		GARLOCK FLT	USGS	SURMAG
INDI	33 47.50	116 12.25		INDIO HILLS	USGS	SURMAG
LAKE	34 40.13	118 26.63		LAKE HUGHES	USGS	SURMAG
LANC	34 42.88	118 03.25		LANCASTER	USGS	SURMAG
LYTL	34 14.12	117 29.44		LYTLE CRK RAN	USGS	SURMAG
MASS	33 50.25	116 59.63		MASSACRE CAN	USGS	SURMAG
MILL	34 04.63	117 03.13		MILL CRK	USGS	SURMAG
MOJA	35 00.25	118 10.63		MOJAVE	USGS	SURMAG
NEWP	34 04.25	117 05.00		NEWPORT AVE	USGS	SURMAG
O001	38 02.25	119 06.75		OWENS VALY ST	USGS	SURMAG
O002	38 05.00	119 02.50		OWENS VALY ST	USGS	SURMAG
O003	38 07.75	118 53.25		OWENS VALY ST	USGS	SURMAG
O004	38 10.50	118 45.00		OWENS VALY ST	USGS	SURMAG
O005	38 12.50	118 38.00		OWENS VALY ST	USGS	SURMAG
O006	38 17.00	118 36.00		OWENS VALY ST	USGS	SURMAG
O007	38 20.25	118 28.75		OWENS VALY ST	USGS	SURMAG
O008	38 19.25	118 25.75		OWENS VALY ST	USGS	SURMAG
O009	38 20.50	118 19.50		OWENS VALY ST	USGS	SURMAG
O010	38 21.25	118 16.75		OWENS VALY ST	USGS	SURMAG
O011	38 23.00	118 12.50		OWENS VALY ST	USGS	SURMAG
O012	38 21.75	118 05.50		OWENS VALY ST	USGS	SURMAG
O013	38 20.00	118 05.50		OWENS VALY ST	USGS	SURMAG
O014	38 14.00	118 07.50		OWENS VALY ST	USGS	SURMAG
O015	37 49.75	118 28.50		OWENS VALY ST	USGS	SURMAG
O016	37 44.50	118 26.50		OWENS VALY ST	USGS	SURMAG
O017	37 35.25	118 22.25		OWENS VALY ST	USGS	SURMAG
O018	37 26.75	118 20.50		OWENS VALY ST	USGS	SURMAG
O019	37 17.75	118 23.00		OWENS VALY ST	USGS	SURMAG
O020	37 11.87	118 19.50		OWENS VALY ST	USGS	SURMAG
O021	37 05.75	118 15.00		OWENS VALY ST	USGS	SURMAG
O022	37 00.00	118 15.00		OWENS VALY ST	USGS	SURMAG
O023	36 50.75	118 15.50		OWENS VALY ST	USGS	SURMAG
O024	36 40.50	118 06.50		OWENS VALY ST	USGS	SURMAG
O025	37 28.00	118 34.37		OWENS VALY ST	USGS	SURMAG
O026	37 36.75	118 48.88		OWENS VALY ST	USGS	SURMAG
O027	37 44.25	118 58.13		OWENS VALY ST	USGS	SURMAG
O028	37 52.25	119 04.75		OWENS VALY ST	USGS	SURMAG
O142	38 07.75	118 14.50		OWENS VALY ST	USGS	SURMAG

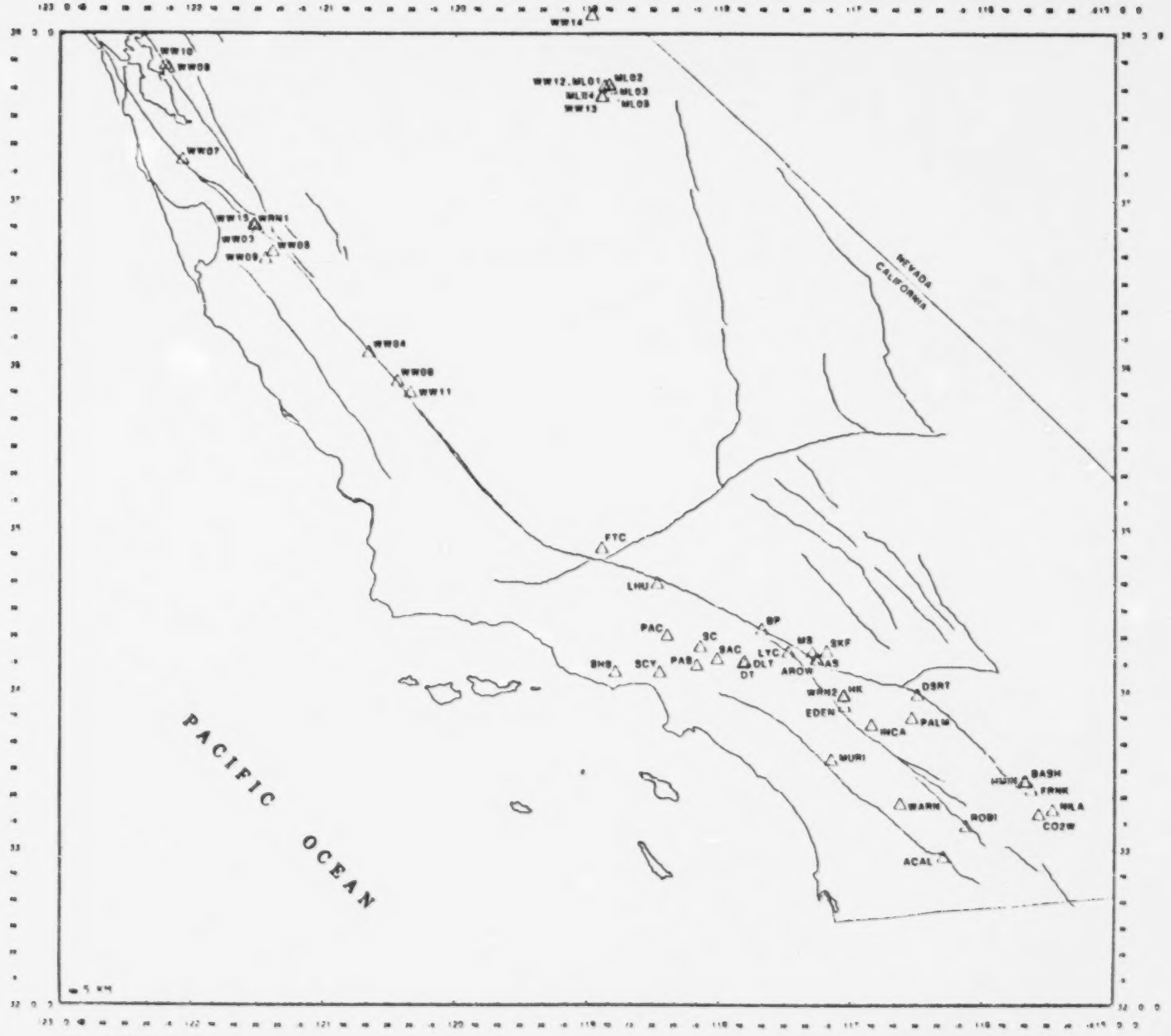
Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
O144	38 01.50	118 15.50		OWENS VALY ST	USGS	SURMAG
O146	37 56.25	118 23.00		OWENS VALY ST	USGS	SURMAG
PALM	34 30.88	118 04.75		PALMDALE	USGS	SURMAG
PUNC	34 26.38	117 55.00		PUNCHBOWL	USGS	SURMAG
QUAI	34 45.00	118 43.75		QUAIL LAKE	USGS	SURMAG
RITT	34 36.25	118 16.25		RITTER RANCH	USGS	SURMAG
ROSE	34 51.88	118 08.38		ROSEMEAD	USGS	SURMAG
S001	34 26.25	117 54.00		STATION 1	USGS	SURMAG
S002	34 22.50	117 44.38		STATION 2	USGS	SURMAG
S003	34 19.13	117 35.75		STATION 3	USGS	SURMAG
S004	34 13.13	117 28.25		STATION 4	USGS	SURMAG
S005	34 07.25	117 21.62		STATION 5	USGS	SURMAG
S006	34 01.00	117 12.75		STATION 6	USGS	SURMAG
S007	33 54.13	117 08.25		STATION 7	USGS	SURMAG
S009	33 40.81	116 50.63		STATION 9	USGS	SURMAG
S011	33 26.25	116 30.62		STATION 11	USGS	SURMAG
S012	33 18.00	116 20.87		STATION 12	USGS	SURMAG
S013	34 31.63	118 05.38		STATION 13	USGS	SURMAG
S08A	33 50.56	117 00.44		STATION 8A	USGS	SURMAG
S10A	33 33.50	116 38.12		STATION 10A	USGS	SURMAG
SANF	34 19.50	118 25.25		SAN FERNANDO	USGS	SURMAG
THRE	34 43.50	118 36.75		THREE POINTS	USGS	SURMAG
VERB	33 56.38	116 43.31		VERBENIA	USGS	SURMAG



WATER WELL MEASUREMENTS

Water Wells

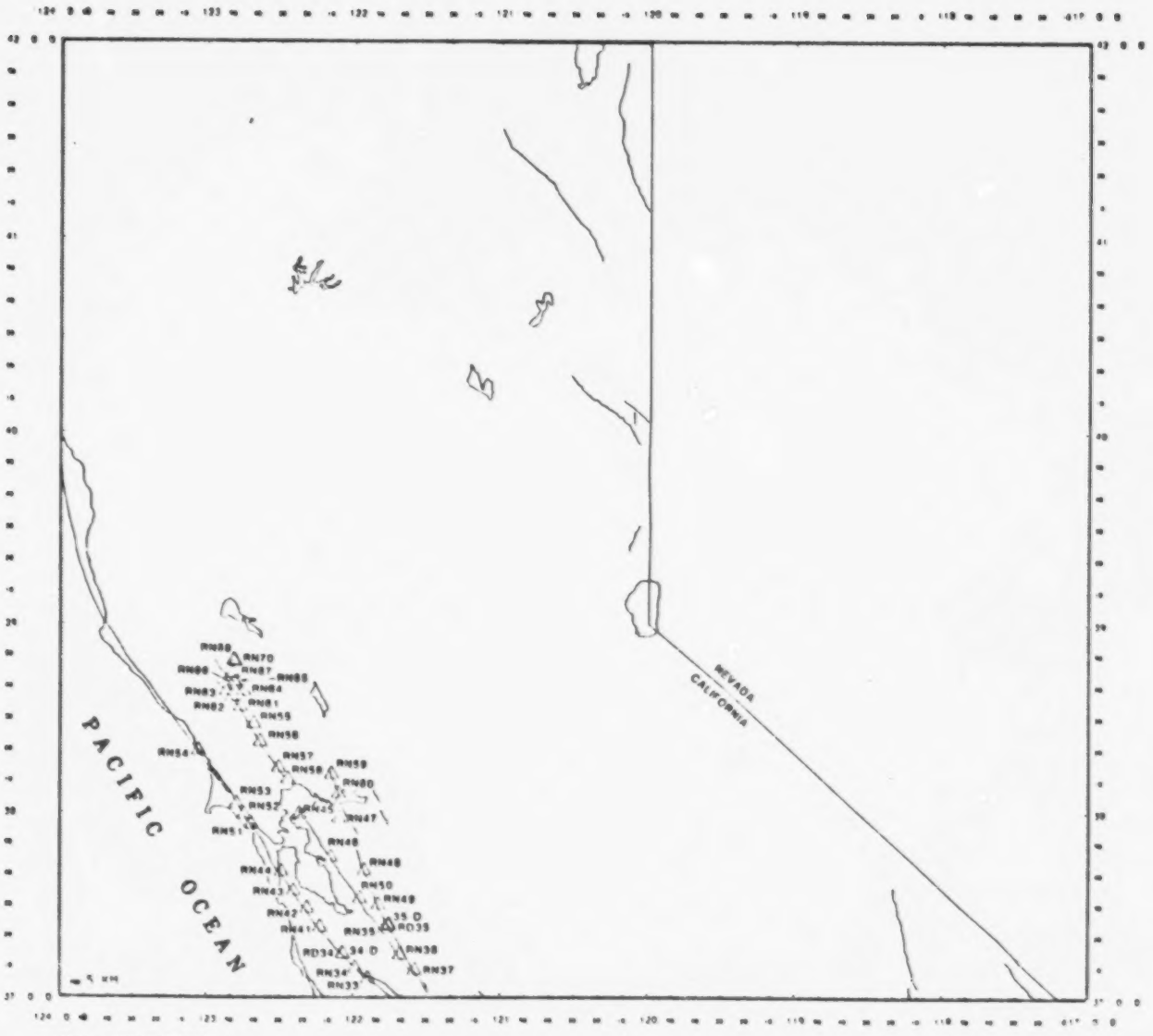
Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
LKPD	34 33.29	118 07.07	07	LAKE PALMDALE	LAM/MERI	WW
LKWL	34 33.01	118 07.71	07	LAKE WELL	LAM/MERI	WW
DST1	34 32.55	118 05.55	07	DESTEIGUER 1	LAM/MERI	WW
DST2	34 32.55	118 05.61	07	DESTEIGUER 2	LAM/MERI	WW
W2K6	34 32.67	118 06.25	07		LAM/MERI	WW
W2J1	34 32.68	118 06.25	07		LAM/MERI	WW
W2K5	34 32.70	118 06.21	07		LAM/MERI	WW
OLVR	34 32.73	118 08.62	28	OLIVER	LAM/MERI	WW
14C1	34 31.27	118 06.54	28		LAM/MERI	WW
W3N1	34 32.51	118 07.85	07		LAM/MERI	WW
NROS	34 32.78	118 08.07	.5	NORRIS	LAM/MERI	WW
WLSN	34 32.80	118 08.14	01	WILSON	LAM/MERI	WW
LEHY	34 33.01	118 07.97	28	LEAHY	LAM/MERI	WW
STGL	34 29.52	117 58.03	14	SCATTAGLIA	LAM/MERI	WW
KRGR	34 28.51	117 55.79	14	KRUEGER	LAM/MERI	WW
SHAN	34 27.26	117 53.69	14	SHANNON	LAM/MERI	WW
BXSN	34 25.93	117 49.75	28	BIXENSTEIN	LAM/MERI	WW
SRMR	34 26.66	117 54.61	14	SORMERMEIER	LAM/MERI	WW
PANO	33 55.69	117 07.16	28	PAINO	LAM/MERI	WW
ELT1	33 52.69	117 03.19	28	ELLIOT 1	LAM/MERI	WW
ELT2	33 54.73	117 04.71	28	ELLIOT 2	LAM/MERI	WW
HDGS	33 34.10	116 37.59	28	HODGES	LAM/MERI	WW
BRTO	33 33.27	116 38.12	.5	BROCHETTO	LAM/MERI	WW
MGHE	33 32.61	116 37.85	07	MCGEHEE	LAM/MERI	WW
JONS	33 15.48	116 17.93	07	JONES	LAM/MERI	WW
SOPC	33 15.45	116 18.30	28	SO PACIFIC	LAM/MERI	WW
RMSE	33 14.71	116 20.81	28	RUMSEY	LAM/MERI	WW
TELN	33 09.75	116 08.51	28	TREELEVEN	LAM/MERI	WW
MCLK	33 08.63	116 07.75	28	M. CLARK	LAM/MERI	WW
HTMN	33 08.01	116 08.26	07	HETTERMAN	LAM/MERI	WW
7E30	33 16.72	116 17.40	07		LAM/MERI	WW
ML06	37 [illegible]	118 52.53		LITTLE ANTELOPE	USGS/KING	WW
ML07	37 37.00	118 53.58		LAUREL SPRING	USGS/KING	WW
ML08	38 06.15	118 58.48		LEE VINING	USGS/KING	WW
WW01	35 50.10	120 20.30	CON	PARKFIELD	USGS/KING	WW
WW03	36 45.10	121 23.20	CON	CIENEGA WINER	USGS/KING	WW
WW05	36 49.20	121 29.90	CON	ST FRAN RETR	USGS/KING	WW
WW07	37 14.40	122 03.60	CON	VLY CHRIS SKL	USGS/KING	WW
WW08	37 47.40	122 10.80	CON	CHABOT COLG	USGS/KING	WW
IRR	34 38.00	118 20.00	CON	ROBERTS RANCH	USC/TENG	MISC
CP	34 30.00	117 59.00	CON	CHIEF PADUKE	USC/TENG	MISC
FR	34 46.00	118 27.00	CON	FAIRMONT RANC	USC/TENG	MISC
CR	34 27.90	117 51.30	CON	CRYSTAL RANCH	USC/TENG	MISC
RR1	34 36.00	118 15.00	CON	RITTER RANCH1	USC/TENG	MISC
RR2	34 36.00	118 15.00	CON	RITTER RANCH2	USC/TENG	MISC
HR	34 25.00	117 35.00	CON	HANDLEY	USC/TENG	MISC
HK	33 57.55	117 03.35	CON	HASKELL ART W	USC/TENG	MISC
SKR	34 43.00	118 31.00	CON	SKELTON RANCH	USC/TENG	MISC
BV1T	36 34.32	121 11.10		BEAR VALLEY	USGS/KING	TEMP
CLST	35 56.46	120 30.66		CLASSEN RANCH	USGS/KING	TEMP
FFST	35 55.68	120 30.90		FLINGE FLAT	USGS/KING	TEMP
PDT2	37 47.40	122 28.10		PRESIDIO	USGS/KING	TEMP
PDTS	37 47.40	122 28.10		PRESIDIO	USGS/KING	TEMP
SJST	36 49.80	121 32.40		SAN JUAN	USGS/KING	TEMP
SMST	35 54.96	120 30.36		SAN MIGUELENO	USGS/KING	TEMP
TRST	36 49.80	121 31.80		TIERRA	USGS/KING	TEMP



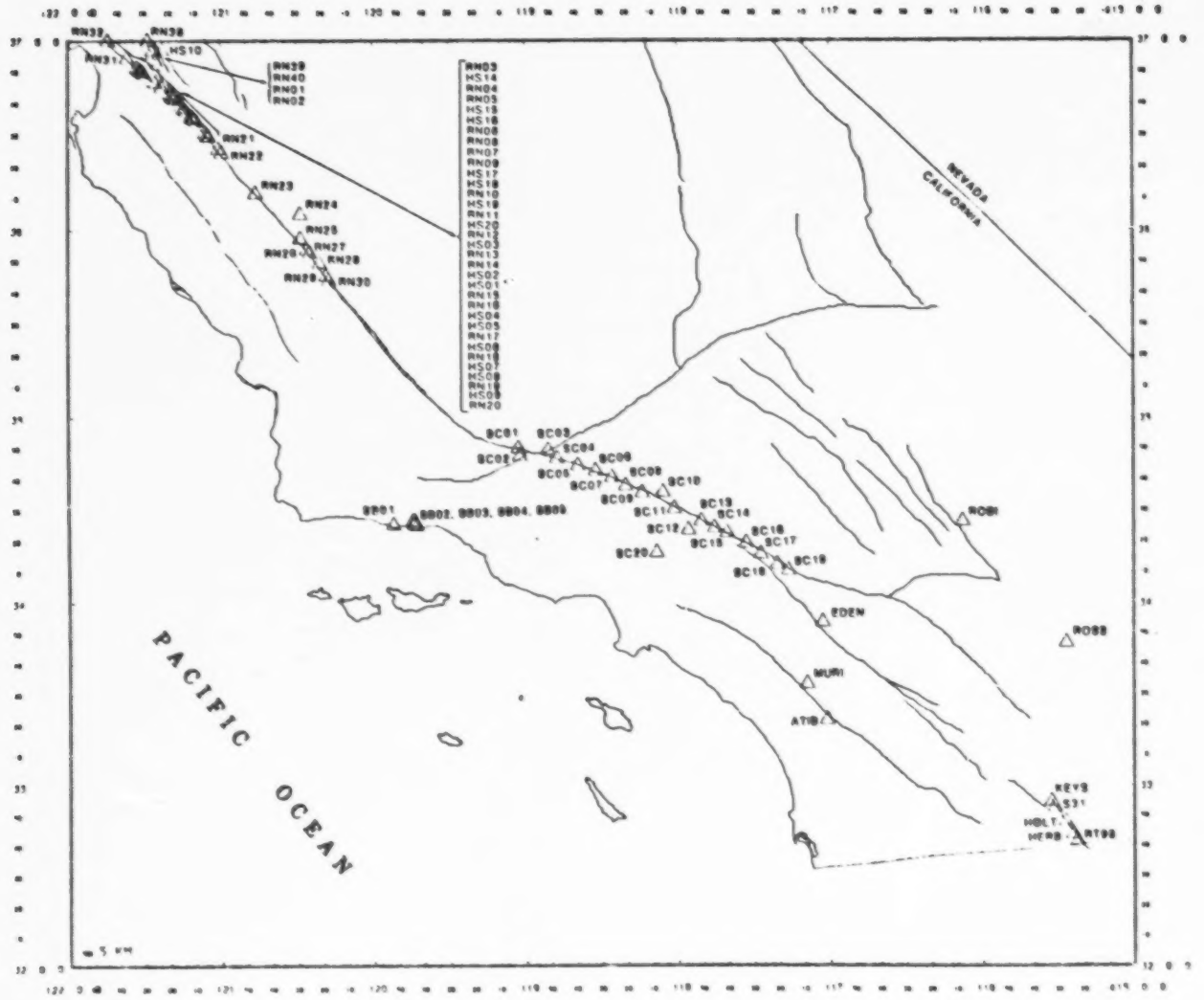
WELL/SPRING MONITORING

Well - Radon

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
PAS	34 08.94	118 10.32	CON	KRESGE	CIT/SHPRO	WRn
DLT	34 10.26	117 46.54	CON	BIG DLT CAN D	CIT/SHPRO	WRn
SCY	34 06.36	118 27.24	CON	STN CAN RESER	CIT/SHPRO	WRn
LYC	34 13.98	117 28.68	CON	LYTLE CRK RS	CIT/SHPRO	WRn
SAC	34 11.34	118 01.02	CON	STA ANITA CAN	CIT/SHPRO	WRn
PAC	34 20.10	118 23.82	CON	PACOIMA DM	CIT/SHPRO	WRn
LHU	34 39.42	118 28.44	CON	LK HUGHES FOR	CIT/SHPRO	WRn
FTC	34 52.50	118 53.64	CON	FT TEJON SHP	CIT/SHPRO	WRn
SKF	34 14.16	117 11.40	CON	SKY FOREST GS	CIT/SHPRO	WRn
SC	34 15.95	118 08.80	07	SWITZER CAMP	USC/TENG	WRn
AS	34 11.10	117 15.50	CON	ARROWHEAD HOT	USC/TENG	WRn
BP	34 22.40	117 40.85	07	BIG PINES	USC/TENG	WRn
MS	34 13.80	117 17.85	07	MORMON SPRING	USC/TENG	WRn
SHS	34 06.45	118 47.45	CON	SEMINOLE HOT	USC/TENG	WRn
HK	33 57.55	117 03.35	CON	HASKELL ARTES	USC/TENG	WRn
DT	34 09.75	117 49.15	CON	DALTON TUNNEL	USC/TENG	WRn
ROBI	33 08.64	116 07.92	30	MR ELMO	SCRPS/CHNG	WRn
DSRT	33 58.08	116 30.06	30	COFFEES SPA	SCRPS/CHNG	WRn
HMIN	33 25.56	115 41.16	30	IMPERIAL HOT	SCRPS/CHNG	WRn
BASH	33 25.44	115 40.80	30	BASHFORDS SPA	SCRPS/CHNG	WRn
NILA	33 14.76	115 28.56	30	MASSIONS WELL	SCRPS/CHNG	WRn
CO2W	33 13.08	115 34.80	30	DRY ICE PLANT	SCRPS/CHNG	WRn
WRN1	36 50.40	121 31.50	CON	MISSION FARM	USGS/KING	WRn
WRN2	33 57.50	117 03.60	CON	SAN TIMOTEO C	USGS/KING	WRn
WW03	36 49.20	121 29.90		ST. FRAN RETR	USGS/KING	WRn
WW04	36 04.50	120 39.50		SLACK CANYON	USGS/KING	WRn
WW05	36 41.10	121 23.20		CIENEGA	USGS/KING	WRn
WW06	35 53.97	120 26.54		PARKFIELD	USGS/KING	WRn
WW07	37 14.35	122 04.08		VLY CHRIS SKL	USGS/KING	WRn
WW08	37 47.15	122 10.59		OAK PUB SKL	USGS/KING	WRn
WW09	36 38.55	121 26.48		LIMEKILN A	USGS/KING	WRn
WW10	37 48.18	122 11.95		OAKLAND	USGS/KING	WRn
WW11	35 49.88	120 20.73		GOLD HILL S	USGS/KING	WRn
WW12	37 40.83	118 52.53		LITTLE ANT VLY	USGS/KING	WRn
WW13	37 37.00	118 53.58		LAUREL SPR W	USGS/KING	WRn
WW14	38 06.15	118 58.48		LEE VINING	USGS/KING	WRn
WW15	36 50.90	121 31.60		MISSION FARM	USGS/KING	WRn
ML01	37 40.83	118 52.53		LITTLE ANTELOPE	USGS/KING	WRn
ML02	37 41.40	118 50.40		LITTLE HOT CRK	USGS/KING	WRn
ML03	37 39.90	118 49.60		HOT CRK GORGE	USGS/KING	WRn
ML04	37 37.15	118 53.95		LAUREL SPRING	USGS/KING	WRn
ML05	37 37.20	118 48.78		WHITMORE HOT SPR	USGS/KING	SpRn
MURI	33 33.54	117 09.18	30	MURRIETA HOT	SCRPS/CHNG	SpRn
WARN	33 17.04	116 37.86	30	WARNER HOT	SCRPS/CHNG	SpRn
ACAL	32 56.94	116 18.18	30	AGUA CALIENTE	SCRPS/CHNG	SpRn
EDEN	33 53.70	117 03.18	30	EDEN SPRINGS	SCRPS/CHNG	SpRn
INCA	33 46.68	116 50.88	30	INDIAN CARRIO	SCRPS/CHNG	SpRn
AROW	34 11.22	117 15.84	30	ARROWHEAD SPG	SCRPS/CHNG	SpRn
PALM	33 49.38	116 32.64	30	SPA HOTEL	SCRPS/CHNG	SpRn
FRNK	33 22.44	115 38.28	30	FRINK SPRING	SCRPS/CHNG	SpRn



SOIL MONITORING



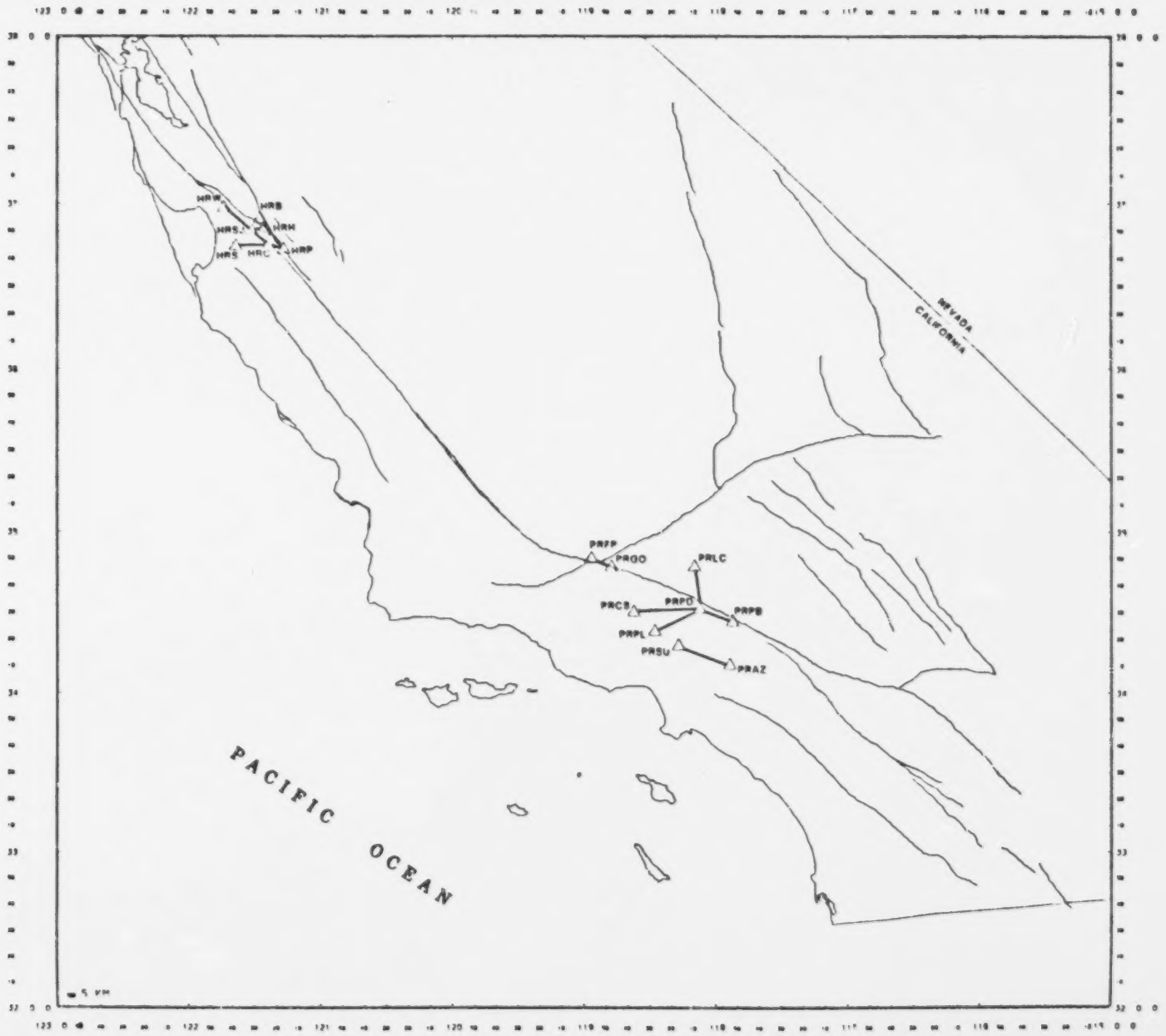
SOIL MONITORING

Soil - Radon

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
HS01	36 37.21	121 13.46			BU&T/RMR	SHe
HS02	36 37.25	121 13.36			BU&T/RMR	SHe
HS03	36 38.79	121 15.46			BU&T/RMR	SHe
HS04	36 35.43	121 10.92			BU&T/RMR	SHe
HS05	36 35.37	121 10.71			BU&T/RMR	SHe
HS06	36 35.23	121 10.63			BU&T/RMR	SHe
HS07	36 34.41	121 09.52			BU&T/RMR	SHe
HS08	36 30.60	121 05.92			BU&T/RMR	SHe
HS09	36 29.76	121 04.96			BU&T/RMR	SHe
HS10	36 56.80	121 23.00			BU&T/RMR	SHe
HS14	36 50.50	121 31.75			BU&T/RMR	SHe
HS15	36 50.00	121 30.95			BU&T/RMR	SHe
HS16	36 49.50	121 30.25			BU&T/RMR	SHe
HS17	36 45.05	121 22.95			BU&T/RMR	SHe
HS18	36 42.95	121 19.55			BU&T/RMR	SHe
HS19	36 42.00	121 19.00			BU&T/RMR	SHe
HS20	36 41.25	121 17.95			BU&T/RMR	SHe
ATIB	33 21.72	117 01.38		PALA	USGS/UCSD	SRn
EDEN	33 53.70	117 03.12		EL CASCO	USGS/UCSD	SRn
HERB	32 43.80	115 24.60		CALEXICO	USGS/UCSD	SRn
HOLT	32 48.00	115 27.60		HOLTVILLE W	USGS/UCSD	SRn
KEYS	32 54.60	115 33.00		BRAWLEY	USGS/UCSD	SRn
MURI	33 33.54	117 09.18		MURIETA	USGS/UCSD	SRn
RD34	37 14.40	122 04.20		VLY CHRIS SKL	USGS/KING	SRn
RD35	37 23.40	121 45.60		CHERRY FLAT	USGS/KING	SRn
RN01	36 53.60	121 25.40		BOLSA RD	USGS/KING	SRn
RN02	36 52.20	121 24.80		WRIGHT RD	USGS/KING	SRn
RN03	36 51.10	121 32.70		NYLAND	USGS/KING	SRn
RN04	36 50.40	121 31.60		ARTESIAN WELL	USGS/KING	SRn
RN05	36 50.10	121 31.20		SAN JUAN BAUT	USGS/KING	SRn
RN06	36 49.20	121 29.90		ST FRAN RETRE	USGS/KING	SRn
RN07	36 46.40	121 25.30		HARRIS E	USGS/KING	SRn
RN08	36 46.60	121 26.00		HARRIS W	USGS/KING	SRn
RN09	36 45.10	121 23.20		CIENEGA WELL	USGS/KING	SRn
RN10	36 42.10	121 19.10		THOMPSON CRK	USGS/KING	SRn
RN11	36 41.40	121 18.10		PESCADERO CRK	USGS/KING	SRn
RN12	36 39.90	121 16.30		FRANK LEWIS	USGS/KING	SRn
RN13	36 38.20	121 14.30		STON CAN N	USGS/KING	SRn
RN14	36 38.10	121 14.10		STONE CAN HIL	USGS/KING	SRn
RN15	36 35.70	121 11.40		WILLOW CRK	USGS/KING	SRn
RN16	36 35.50	121 11.10		MELENDY CORRA	USGS/KING	SRn
RN17	36 35.30	121 10.90		MELENDY RIVER	USGS/KING	SRn
RN18	36 35.00	121 10.60		MELENDY WINDM	USGS/KING	SRn
RN19	36 30.60	121 05.90		SAN BENITO	USGS/KING	SRn
RN20	36 29.50	121 04.70		DRY LAKE	USGS/KING	SRn
RN21	36 25.60	121 00.80		LITL RABT VLY	USGS/KING	SRn
RN22	36 24.40	120 59.60		BITTERWATER V	USGS/KING	SRn
RN23	36 11.60	120 46.20		MUSTANG RIDGE	USGS/KING	SRn
RN24	36 04.90	120 28.60		PARKFIELD JUN	USGS/KING	SRn
RN25	35 57.20	120 28.50		LITL CHOLAME	USGS/KING	SRn
RN26	35 53.70	120 26.00		PRKFIELD BRID	USGS/KING	SRn
RN27	35 52.70	120 24.90		TURKEY FLAT	USGS/KING	SRn
RN28	35 49.40	120 21.00		GOLD HILL	USGS/KING	SRn

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
RN29	35 45.40	120 18.40		WATER TANK	USGS/KING	SRn
RN30	35 44.00	120 17.40		HWY 46	USGS/KING	SRn
RN31	36 54.30	121 36.60		CHITTENDEN	USGS/KING	SRn
RN32	36 59.60	121 44.10		WATSONVILLE	USGS/KING	SRn
RN33	37 06.30	121 54.00		LAUREL	USGS/KING	SRn
RN34	37 09.80	121 59.20		LOS GATOS	USGS/KING	SRn
RN35	37 22.60	121 47.20		SAN JOSE	USGS/KING	SRn
RN36	37 14.10	121 40.90		COYOTE	USGS/KING	SRn
RN37	37 09.10	121 34.90		ANDERSON LK	USGS/KING	SRn
RN38	36 59.70	121 28.50		SAN FELIPE N	USGS/KING	SRn
RN39	36 56.60	121 26.70		SHORE RD	USGS/KING	SRn
RN40	36 55.60	121 26.30		PACHECO	USGS/KING	SRn
RN41	37 22.90	122 13.60		SPRING DOWN F	USGS/KING	SRn
RN42	37 29.00	122 18.90		PULGAS WATER	USGS/KING	SRn
RN43	37 34.60	122 24.50		SAN ANDREAS L	USGS/KING	SRn
RN44	37 40.90	122 29.50		DALY CITY	USGS/KING	SRn
RN45	37 59.40	122 22.30		RICHMOND	USGS/KING	SRn
RN46	37 45.50	122 09.40		HOLY REDEEMER	USGS/KING	SRn
RN47	37 58.10	122 06.00		MARTINEZ	USGS/KING	SRn
RN48	37 41.20	121 55.70		DUBLIN	USGS/KING	SRn
RN49	37 30.20	121 49.90		CALAVER RESER	USGS/KING	SRn
RN50	37 32.20	121 57.40		FREMONT	USGS/KING	SRn
RN51	37 56.10	122 41.90		BOLINAS	USGS/KING	SRn
RN52	37 59.28	122 44.80		MILE 22	USGS/KING	SRn
RN53	38 02.70	122 47.88		PT REYES RANG	USGS/KING	SRn
RN54	38 19.62	123 03.42		BODEGA HEAD	USGS/KING	SRn
RN55	38 28.20	122 40.98		STA ROSA	USGS/KING	SRn
RN56	38 22.50	122 38.28		CRANE -GRANGE	USGS/KING	SRn
RN57	38 14.22	122 30.72		WILLIE BIRD	USGS/KING	SRn
RN58	38 10.62	122 27.00		SEARS PT	USGS/KING	SRn
RN59	38 12.18	122 09.18		CORDELIA	USGS/KING	SRn
RN60	38 06.00	122 06.30		BENICIA	USGS/KING	SRn
RN61	38 33.66	122 46.44		CHALK HILL RD	USGS/KING	SRn
RN62	38 36.72	122 50.10		RUSSIAN RIVER	USGS/KING	SRn
RN63	38 38.58	122 52.26		HEALDSBURG	USGS/KING	SRn
RN64	38 38.58	122 45.06		MAACAMA CK	USGS/KING	SRn
RN65	38 40.80	122 48.18		PINE FLAT RD	USGS/KING	SRn
RN66	38 41.46	122 48.84		CIRCLE G RANC	USGS/KING	SRn
RN67	38 44.16	122 49.68		BLACK MTN	USGS/KING	SRn
RN68	38 48.30	122 49.14		SULPHUR BANK	USGS/KING	SRn
RN70	38 47.88	122 48.54		RESORT ADIT	USGS/KING	SRn
ROBI	33 86.40	116 07.92		BORREGO MT	USGS/KING	SRn
ROSS	33 46.80	115 27.00		HOLTVILLE W	USGS/KING	SRn
RT98	32 41.40	115 22.80		CALEXICO	USGS/KING	SRn
S31	32 52.80	115 31.80		BRAWLEY	USGS/KING	SRn
SC01	34 50.15	119 02.90		CUDDY VLY	USGS/KING	SRn
SC02	34 47.75	119 02.33		PLUNDEROSA RA	USGS/KING	SRn
SC03	34 49.65	118 51.22		HAUPTMAN RES	USGS/KING	SRn
SC04	34 46.95	118 47.85		DE FAZIO RES	USGS/KING	SRn
SC05	34 44.62	118 39.52		HORSE TRAIL	USGS/KING	SRn
SC06	34 42.90	118 32.55		TIMBER MED	USGS/KING	SRn
SC07	34 40.82	118 26.12		LAKE HUGHES S	USGS/KING	SRn
SC08	34 38.10	118 20.71		GRIGGS RANCH	USGS/KING	SRn
SC09	34 35.80	118 14.20		RITTER RIDGE	USGS/KING	SRn

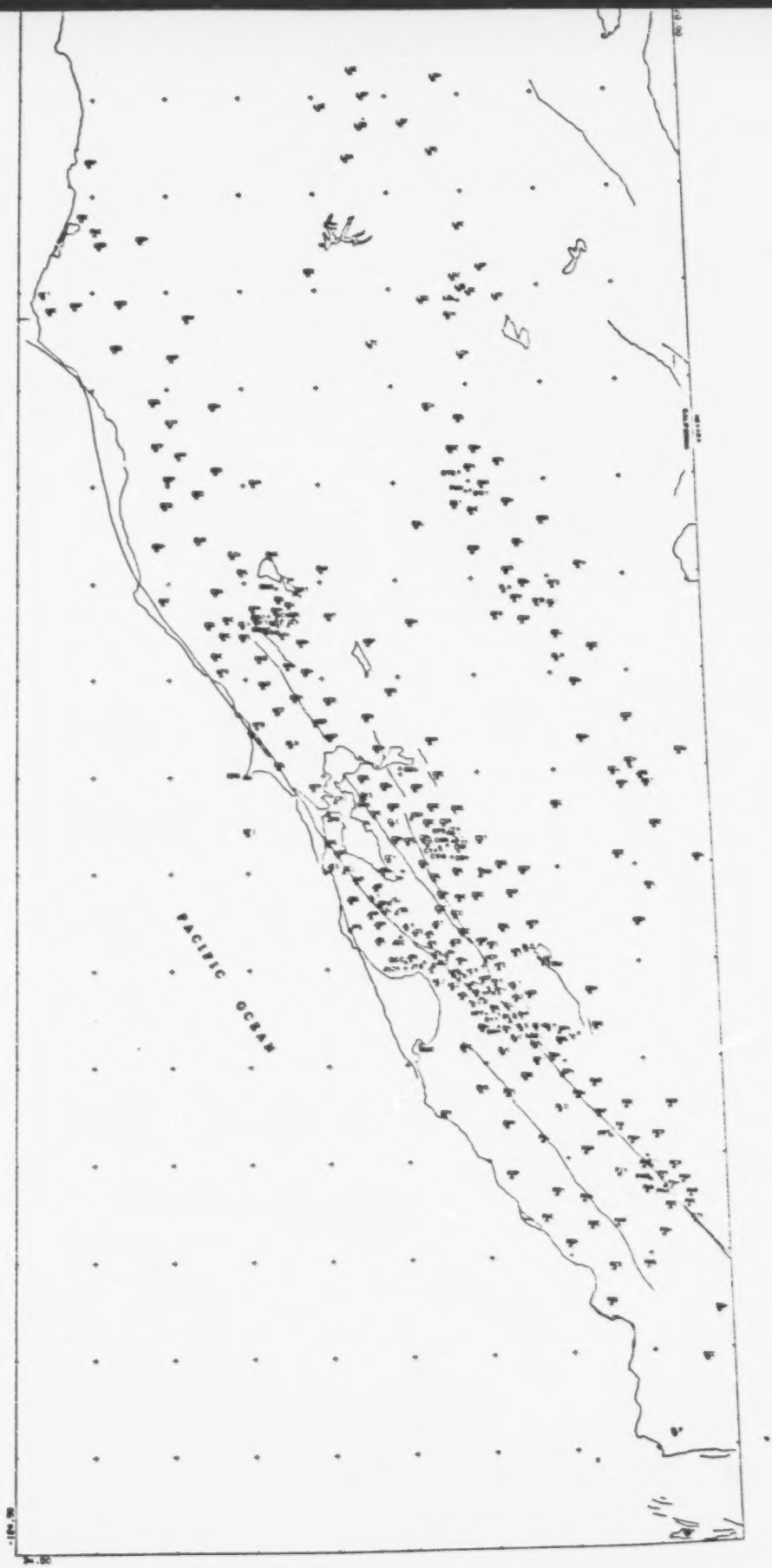
Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
SC10	34 36.00	118 06.00		UNA LAKE	USGS/KING	SRn
SC11	34 30.68	118 01.52		LITTLE ROCK	USGS/KING	SRn
SC12	34 23.75	117 55.95		106TH STREET	USGS/KING	SRn
SC13	34 26.62	117 50.88		VALYERMO RANG	USGS/KING	SRn
SC14	34 24.43	117 45.70		MILE HIGH RAN	USGS/KING	SRn
SC15	34 22.85	117 40.78		BIG PINE RANG	USGS/KING	SRn
SC16	34 19.50	117 33.18		CLYDE RANCH	USGS/KING	SRn
SC17	34 15.95	117 27.45		BLUE CUT	USGS/KING	SRn
SC18	34 12.55	117 20.98		PALM BLVD	USGS/KING	SRn
SC19	34 10.60	117 16.60		ARROWHEAD SPG	USGS/KING	SRn
SC20	34 16.40	118 08.50		SWITZER CAMP	USGS/KING	SRn
SB01	34 25.38	119 52.07		PILOT	USGS/KING	SRn
SB02	34 26.41	119 43.80		MOTEL	USGS/KING	SRn
SB03	34 26.29	119 44.35		ON TARE	USGS/KING	SRn
SB04	34 25.52	119 43.96		JR HIGH	USGS/KING	SRn
SB05	34 25.14	119 42.98		COOK	USGS/KING	SRn
34-D	37 14.29	122 04.15		VLY CHRIS SKL	USGS/KING	SRn
35-D	37 23.75	121 45.48		CHERRY FLAT	USGS/KING	SRn



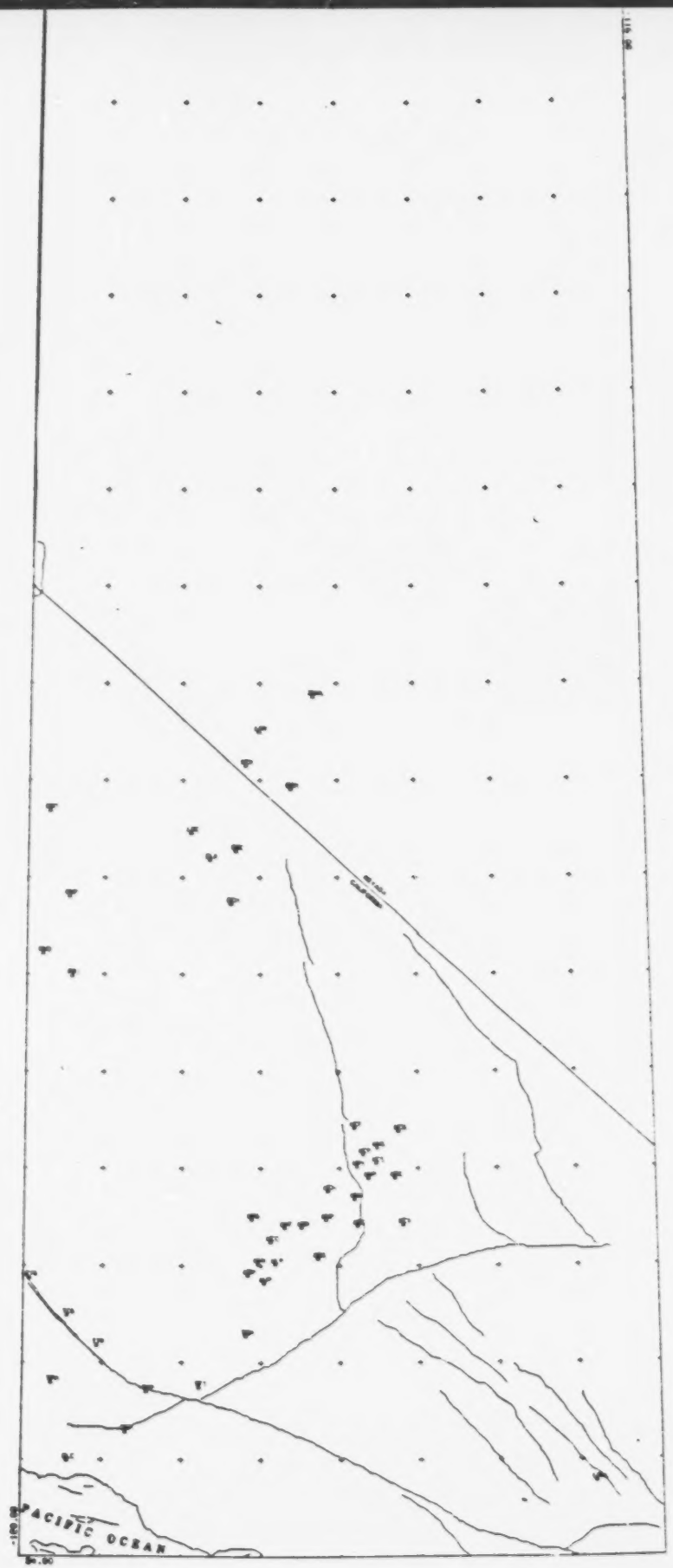
RESISTIVITY

Resistivity

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
HRW	36 58.20	121 43.80	CON	WATSONVILLE	MIT/MADDEN	RESIST
HRB	36 54.00	121 27.60	CON	BROOK HALLOW	MIT/MADDEN	RESIST
HRH	36 51.00	121 25.20	CON	HOLLISTER	MIT/MADDEN	RESIST
HRSJ	36 49.80	121 31.20	CON	SAN JUAN BAUT	MIT/MADDEN	RESIST
HRC	36 45.00	121 23.40	CON	CIENEGA	MIT/MADDEN	RESIST
HRS	36 44.40	121 38.40	CON	SALINAS	MIT/MADDEN	RESIST
HRP	36 43.20	121 16.80	CON	PAICINES	MIT/MADDEN	RESIST
PRPD	34 31.20	118 07.80	CON	PALMDALE	MIT/MADDEN	RESIST
PRLC	34 46.80	118 10.20	CON	LANCASTER	MIT/MADDEN	RESIST
PRPB	34 26.40	117 52.80	CON	PLACERITA	MIT/MADDEN	RESIST
PRPL	34 22.80	118 28.20	CON		MIT/MADDEN	RESIST
PRCS	34 30.00	118 37.80	CON	CASTAIC	MIT/MADDEN	RESIST
PRAZ	34 10.20	117 54.00	CON	AZUSA	MIT/MADDEN	RESIST
PRSU	34 17.40	118 17.40	CON	SUNLAND	MIT/MADDEN	RESIST
PRFP	34 49.80	118 57.00	CON	FRAZIER PARK	MIT/MADDEN	RESIST
PRGO	34 46.80	118 48.00	CON	GORMAN	MIT/MADDEN	RESIST



Seismometers


PACIFIC OCEAN

Cal Net stations supplied by F. Lester

Sta. Name	Latitude	Longitude
AAK	3916.57N	121 1.53W
ABJ	39 9.90N	12111.47W
ABR	39 8.11N	12129.21W
ADW	3826.35N	12050.89W
AFD	3856.69N	12058.10W
AFDN	3856.69N	12058.10W
AFDE	3856.69N	12058.10W
AFDZ	3856.69N	12058.10W
AFH	39 2.51N	12047.48W
AFR	3847.54N	12120.91W
AGI	3850.68N	12058.88W
AHR	3851.26N	121 4.23W
ALA	3834.00N	12057.37W
ALN	3855.78N	12117.27W
AOD	3836.89N	12043.71W
AOH	3922.52N	12115.36W
APR	3852.62N	12113.03W
ARJ	3841.19N	12057.38W
ARP	3845.92N	12110.31W
APW	3857.38N	121 9.73W
AVP	39 1.47N	12116.26W
BAV	3638.75N	121 1.79W
BAVZ	3638.75N	121 1.79W
BAVN	3638.75N	121 1.79W
BAVE	3638.75N	121 1.79W
BBG	3635.48N	121 1.52W
BBN	3630.60N	121 4.53W
BCG	3642.55N	12120.60W
BCH	3639.88N	12110.45W
BEM	3639.68N	121 5.76W
BHR	3643.67N	12115.83W
BHS	3621.35N	12132.39W
BJC	3632.82N	12123.53W
BJO	3636.65N	12118.81W
BLR	3639.96N	12116.36W
BMC	3639.40N	12121.92W
BMH	3641.17N	12124.80W
BMS	3639.78N	12047.51W
BPC	3633.90N	12138.15W
BPF	3613.80N	12146.30W
BPI	3629.40N	12110.41W
BPP	3610.12N	12122.68W
BRM	3650.70N	12049.42W
BRV	3625.49N	121 1.10W
BSB	3644.27N	12117.21W
BSC	3638.50N	12115.59W
BSCZ	3638.50N	12115.59W
BSCN	3638.50N	12115.59W
BSCE	3638.50N	12115.59W
BSG	3624.83N	12115.22W
BSGZ	3624.83N	12115.22W
BSGN	3624.83N	12115.22W
BSGE	3624.83N	12115.22W
BSL	3646.53N	12120.96W
BSR	3639.99N	12131.12W
BSRE	3639.99N	12131.12W
BSRZ	3639.99N	12131.12W

Sta. Name	Latitude	Longitude
BSRN	3639.99N	12131.12W
BVL	3634.51N	12111.34W
BVY	3644.96N	12124.80W
CAC	3758.57N	12145.62W
CAD	37 9.83N	12137.55W
CAI	3751.68N	12225.77W
CAL	3727.07N	12147.95W
CALE	3727.07N	12147.95W
CALN	3727.07N	12147.95W
CALZ	3727.07N	12147.95W
CAO	3720.96N	12131.96W
CAOE	3720.96N	12131.96W
CAON	3720.96N	12131.96W
CAOZ	3720.96N	12131.96W
CBR	3748.97N	122 3.72W
CBS	3747.81N	12138.77W
CBW	3755.45N	122 6.40W
CCO	3715.46N	12140.35W
CCY	3733.10N	122 5.45W
CDO	3743.80N	12150.12W
CDS	3757.98N	12215.17W
CDU	38 1.78N	122 0.05W
CLC	3744.28N	122 3.83W
CMC	3746.88N	12210.55W
CMH	3721.57N	12145.38W
CMJ	3731.25N	12152.23W
CML	3728.64N	12139.09W
CMM	3727.34N	12129.62W
CMO	3748.68N	12148.15W
CMP	3721.46N	12118.51W
CMR	3735.68N	12138.22W
COS	3730.51N	12122.44W
CPL	3738.25N	12157.64W
CRA	3746.03N	12156.25W
CRP	3754.75N	12154.33W
CSC	3717.11N	12146.35W
CSH	3738.88N	122 2.57W
CTL	3739.44N	12138.63W
GAF	3853.59N	12332.28W
GAR	3857.31N	12215.13W
GAX	3842.65N	12245.30W
GBD	3926.52N	12318.55W
GBG	3848.84N	12240.76W
GBM	39 8.51N	12229.64W
GBO	3849.46N	12250.57W
GCB	3923.03N	12331.28W
GCM	3848.35N	12245.31W
GCV	3846.14N	123 0.89W
GCW	39 7.85N	123 4.55W
GDC	3846.03N	12314.31W
GDX	3848.46N	12247.63W
GFT	3847.58N	12250.04W
GGL	3853.80N	12246.58W
GGP	3845.88N	12250.65W
GHC	3836.36N	12311.81W
GHG	39 7.70N	12249.47W
GHL	39 2.43N	123 1.12W

Sta.
Name / Latitude / Longitude

GHM 3929.74N12255.80W1
GHV 39 5.10N12244.06W1
GMC 3847.56N123 7.80W
GCR 3846.43N12242.99W
GMK 3858.17N12247.22W
GMM 3850.29N12247.93W
GMO 3842.61N123 8.59W
GPM 3850.85N12256.78W
GRN 3910.52N12334.53W
GRT 3856.32N12240.18W
GSM 3846.16N12246.88W1
GSG 3852.00N12242.60W1
GSGN3852.00N12242.60W
GSGE3852.00N12242.60W
GSN 3856.43N12311.50W
GSS 3842.12N123 0.81W
GTS 3918.70N12236.15W1
GWK 39 3.12N12229.46W
GWR 3912.43N12317.99W
HAZ 3653.08N12135.45W
HBT 3651.01N12133.04W
HBTN3651.01N12133.04W
HBTE3651.01N12133.04W
HCA 37 1.52N12129.02W
HCB 3655.88N12139.63W
HCO 3653.31N12142.34W
HCP 3711.67N12111.08W
HCR 3657.46N12135.01W
HCZ 3654.54N12148.02W
HDL 3650.12N12138.64W
HFE 3659.00N12124.09W
HFH 3653.29N12128.13W
HFHN3653.29N12128.13W
HFHE3653.29N12128.13W
HFP 3645.22N12129.43W
HGS 37 5.75N12126.83W
HGW 37 1.02N12139.02W
HJG 3647.88N12134.43W
HJS 3648.99N12117.92W
HKR 3654.10N12125.56W
HLT 3653.07N12118.49W
HMO 3636.03N12155.06W
HOR 3655.03N12130.46W
HPH 3651.38N12124.37W
HPL 37 3.13N12117.40W
HPLZ37 3.13N12117.40W
HPLE37 3.13N12117.40W
HPLN37 3.13N12117.40W
HPR 3657.19N12141.70W
HQR 3650.02N12112.76W
HQRZ3650.02N12112.76W
HQRN3650.02N12112.76W
HQRE3650.02N12112.76W
HSF 3648.72N12129.97W
HSL 37 1.16N121 5.13W
HSP 3706.91N12130.94W
JAL 37 9.50N12150.82W

Sta. Name	Latitude	Longitude
JALZ37	9.50N	12150.82W
JALN37	9.50N	12150.82W
JALE37	9.50N	12150.82W
JBC 37	9.62N	122 1.57W
JBG	3720.52N	12220.34W
JBL 37	7.67N	122 9.98W
JBLE37	7.67N	122 9.98W
JBLN37	7.67N	122 9.98W
JBLZ37	7.67N	122 9.98W
JBM	3719.09N	122 9.16W
JBZ 37	1.07N	12149.15W
JCB 37	6.71N	12141.33W
JEC 37	3.04N	12148.56W
JEG	3730.84N	12227.74W
JHL 37	6.56N	12149.95W
JHP	3726.65N	12218.09W
JLT	3721.22N	12212.25W
JLX	3712.11N	12159.17W
JMG	3738.22N	12228.43W
JPL	3658.62N	12149.93W
JPP	3715.81N	12212.78W
JPR	3747.70N	12228.43W
JPS	3711.94N	12220.90W
JRG 37	2.22N	12157.86W
JRK 37	3.27N	12143.61W
JSA	3734.95N	12225.03W
JSC	3717.07N	122 7.40W
JSF	3724.31N	12210.55W
JSFE	3724.31N	12210.55W
JSFN	3724.31N	12210.55W
JSFZ	3724.31N	12210.55W
JSG	3716.96N	122 3.00W
JSJ	3720.03N	122 5.48W
JSM	3712.74N	12210.06W
JSS	3710.17N	12155.84W
JST	3712.41N	12147.84W
JTG 37	1.71N	12152.58W
JUC 37	0.07N	122 2.91W
JRW	3729.24N	12207.75W
KBB	4011.82N	12351.00W
KBN	3953.56N	12311.64W
KBR	4043.79N	12357.34W
KBS	3955.07N	12335.68W
KCP	3941.24N	12334.66W
KCR	4025.58N	12349.11W
KCT	4028.55N	12420.18W
KFP	3938.35N	12325.44W
KGM	4045.53N	12340.46W
KIP	3948.52N	12328.83W
KNP	40 8.75N	12328.10W
KMP	4025.04N	12407.21W
KPP	4020.76N	12321.73W
KRK	3933.77N	12310.93W
KRP	4109.49N	12401.38W
KSP	3931.04N	12330.09W
LBF	4120.82N	12153.42W
LCA	4110.13N	12216.37W

Sta. Name	Latitude	Longitude
LCF	4029.18N	12131.44W
LCM	40 8.79N	12131.26W
LDB	4025.90N	12147.08W
LGB	4120.71N	12211.66W
LHC	4048.30N	12130.84W
LHE	4137.71N	12213.83W
LHK	4026.12N	12116.67W
LMH	4134.74N	12139.44W
LMF	4129.30N	122 9.69W
LMZ	4032.73N	12133.84W
LPD	4111.72N	12141.76W
LRD	4027.78N	12127.85W
LSL	4025.64N	12132.05W
LTN	4136.33N	12155.13W
LTC	4012.50N	122 7.45W
LWE	4126.15N	12227.08W
LWF	4035.65N	12122.73W
MAT	3752.40N	11952.00W
MBO	3741.35N	12021.86W
MCH	38 1.12N	12030.57W
MCU	3758.36N	12037.02W
MDE	3732.43N	12036.78W
MEC	3748.14N	12059.02W
MHD	37 7.18N	11954.97W
MMW	38 3.83N	12010.89W
MNH	38 8.75N	12048.82W
MNF	3724.82N	11943.51W
MOY	3754.00N	12034.04W
MRF	3814.72N	12031.24W
MSM	3711.19N	12029.83W
MST	3754.27N	12024.29W
MTG	3733.68N	12006.26W
MYL	3722.68N	12025.18W
NBF	3840.07N	12211.60W
NBR	3815.65N	12232.99W
NCD	3822.19N	12227.70W
NCF	3819.28N	12247.73W
NDH	3845.93N	12154.75W
NEJ	3741.90N	123 0.00W
NFR	3831.36N	123 9.66W
NGU	3816.84N	12212.89W
NHB	3835.36N	12254.54W
NHM	38 9.28N	12148.02W
NLH	38 7.19N	122 8.87W
NLN	38 9.15N	12242.75W
NMH	3840.17N	12237.93W
NMT	3848.34N	12226.76W
NMW	3833.03N	12243.37W
NMX	3824.68N	122 3.44W
NOL	38 2.50N	12247.62W
NPR	3759.79N	12300.98W
NSH	3831.20N	12236.43W
NSP	3810.96N	12227.20W
NTB	3814.87N	12255.86W
NTM	3823.15N	12240.83W
NTP	3755.22N	12233.78W
NWR	3827.42N	12253.26W

Sta. Name	Latitude	Longitude
OBH	3939.10N	12127.70W
OCH	3952.55N	12145.90W
OGO	3939.22N	12136.72W
OHC	3920.18N	12129.05W
ORA	3928.13N	12124.80W
OST	3922.12N	12135.80W
OSU	3916.23N	12151.10W
OTB	3932.75N	12133.65W
OWY	3927.19N	12129.20W
PAD	3538.36N	12051.86W
PAG	3543.92N	12014.96W
PAN	3546.78N	12054.44W
PAP	3554.77N	12121.70W1
PAR	3614.95N	12020.52W
PBR	3532.91N	12100.54W
PBW	3618.90N	12055.75W
PBY	3548.90N	12104.89W
PCA	3555.90N	12020.22W1
PCG	3525.52N	12044.34W
PCR	36 5.63N	12026.08W
PGH	3549.86N	12021.17W
PGHE	3549.86N	12021.17W
PGHW	3549.86N	12021.17W
PHA	3550.16N	12023.91W
PHC	3540.93N	121 9.15W
PHG	3552.56N	12029.01W
PHGZ	3552.56N	12029.01W
PHGN	3552.56N	12029.01W
PHGE	3552.56N	12029.01W
PHGM	3552.56N	12029.01W
PHGL	3552.56N	12029.01W
PHR	3622.38N	12049.10W
PIV	3554.39N	12040.94W
PJL	36 5.39N	121 9.33W
PJLZ	36 5.39N	121 9.33W
PJLN	36 5.39N	121 9.33W
PJLE	36 5.39N	121 9.33W
PLO	3614.79N	121 2.56W
PMC	3543.48N	12022.23W
PMCZ	3543.48N	12022.23W
PMCN	3543.48N	12022.23W
PMCE	3543.48N	12022.23W
PMCL	3543.48N	12022.23W
PMCM	3543.48N	12022.23W
PMG	3525.79N	12031.22W
PMF	3612.91N	12047.69W
PMR	3547.09N	12014.14W
PPF	3552.91N	12024.81W
PPR	3538.86N	12042.04W
PPT	36 6.50N	12043.27W
PRC	3615.37N	12037.20W
PSA	36 1.52N	12053.30W
PSE	3514.71N	12045.88W
PSH	3535.45N	12024.92W
PSM	36 4.18N	12035.68W
PSR	3551.47N	12016.81W
PST	3556.48N	12031.53W

Sta. Name	Latitude	Longitude
PTR	3539.28N	12012.67W
PTY	3556.73N	12028.45W
PWK	3548.87N	12030.67W
WAS	3544.29N	11833.42W1
WBM	3527.06N	11835.00W
WBS	3532.22N	11808.37W1
WCF	3612.50N	11754.23W1
WCG	3611.41N	11737.39W1
WCH	3552.98N	11804.48W
WCO	3537.35N	11826.25W1
WCP	36 4.26N	11751.01W1
WCS	36 1.58N	11746.01W1
WCX	3542.63N	11735.98W
WHS	36 6.30N	11745.67W1
WLF	3530.46N	11824.52W
WNM	3550.57N	11754.29W
WRC	3557.04N	11738.89W
WRV	36 0.47N	11753.42W1
WVP	3556.98N	11749.02W1
WHF	3541.77N	11820.91W
WHV	3530.60N	11831.07W1
WJF	3524.65N	11828.84W1
WKT	3547.64N	11826.55W
WOR	3541.79N	11814.52W
WSC	3542.26N	11753.19W
WWF	3544.13N	11805.22W1
GAS	3939.29N	12242.91W
GFR	3937.02N	12225.67W
GRM	3955.03N	12240.17W
KPK	3935.01N	12118.32W
MGL	3948.71N	12133.42W1
ORV	3933.33N	12130.00W
MIN	4020.70N	12136.30W1
JAS	3756.80N	12026.30W
FRI	3659.50N	11942.50W
FHC	4048.10N	12359.10W
WKC	4023.35N	12417.73W
WDC	4034.80N	12232.40W
BKS	3752.60N	12214.10W
MHC	3720.50N	12138.50W1
SAO	3645.90N	12126.70W
CDA	3743.80N	12143.70W
CFR	3741.14N	12140.26W
CMN	3737.65N	12142.50W
CPN	3739.01N	12151.70W
CPS	3741.40N	12142.00W
CTF	3738.78N	12140.35W
CVA	3737.10N	12145.49W
CST	3738.35N	12129.89W
CDV	3733.98N	12140.81W
CDVN	3733.98N	12140.81W
CDVE	3733.98N	12140.81W
CDVZ	3733.98N	12140.81W
CSA	3740.42N	12142.25W
CVL	3737.58N	12150.14W
LANL	3423.36N	11624.69W

Sta.
Name / Latitude / Longitude

MNVL 3825.93N11809.26W
ELKL 4044.69N11514.33W
KNBL 3701.00N11249.34W
BON 3757.31N11819.10W
CLK 3735.44N11849.45W
LMC 3743.70N11856.71W
MON 3803.64N11846.55W
ORC 3738.12N11839.36W
SCH 3721.95N11841.22W
RYN 3837.69N11831.38W
LHV 3815.07N11830.27W
HCK 38 4.53N11835.53W
TMA 3431.05N11913.25W
TCG 3514.53N11943.40W
TTR 35 5.24N11932.08W
TRP 3438.60N11921.10W
TPM 3453.75N11949.13W
TYG 3526.18N11957.56W
TBH 3511.10N120 5.05W
TFT 3452.25N11853.51W
SLP 3433.57N12024.02W
SSM 34 2.24N12021.01W
SLC 3429.79N11942.81W
SCC 3456.38N12010.32W
TBM 35 8.15N11835.81W
SSN 3314.68N11930.38W
SCT 3422.12N11920.63W
SLG 34 6.87N119 3.85W
SSC 3359.68N11937.99W
TPR 3520.66N12048.89W
TSS 3536.63N121 4.52W
TKU 3525.22N12034.30W
TTB 3515.16N12053.29W
TPBA3542.69N12116.60W
TPBB3542.02N12117.07W
TCC 3528.69N12054.57W
TCCB3528.88N12054.68W
SLO 3518.00N12035.45W
SMA 3453.05N12025.22W

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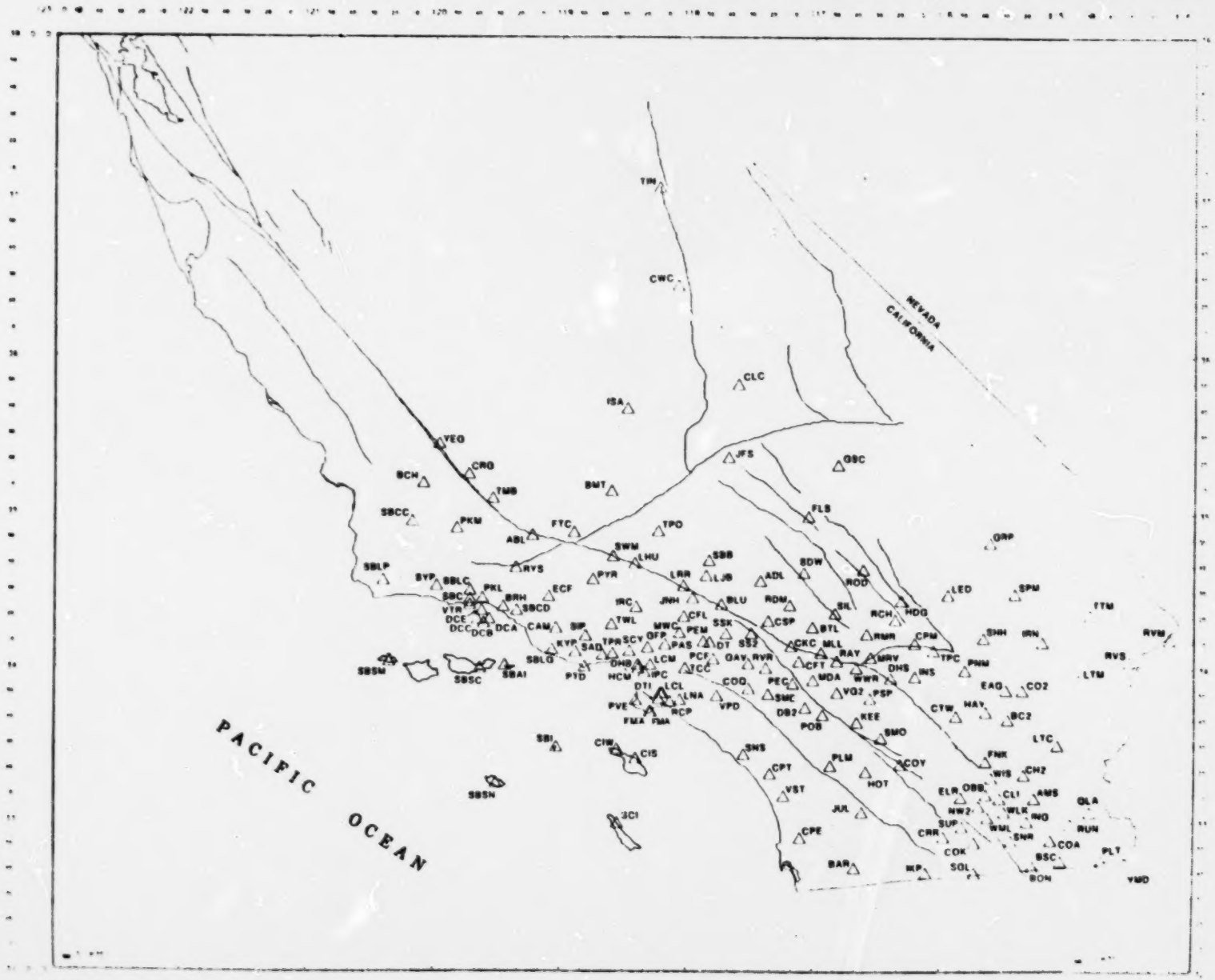

SEISMOMETERS

Seismometers

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
ABL	34 51.05	119 13.25		MT ABEL	*GS/CIT/DWR	SEISM
ADL	34 33.38	117 25.02		ADELANTO	GS/CIT/DWR	SEISM
AMS	33 08.48	115 15.25		AMOS	GS/CIT/DWR	SEISM
BAR	32 40.80	116 40.30		BARRETT DAM	GS/CIT/DWR	SEISM
BCH	35 11.10	120 05.05		BRANCH MTN	GS/CIT/DWR	SEISM
BC2	33 39.42	115 27.67		BIG CHUCHWALL	GS/CIT/DWR	SEISM
BLU	34 24.40	117 43.61		BLUE RIDGE	GS/CIT/DWR	SEISM
BMT	35 08.15	118 35.81		BEAR MTN	GS/CIT/DWR	SEISM
BON	32 41.67	115 16.11		BONDS CORNER	GS/CIT/DWR	SEISM
BSC	32 43.49	115 02.64		BROCKS FARM	GS/CIT/DWR	SEISM
BTL	34 15.43	117 00.29		BUTLER PK	GS/CIT/DWR	SEISM
CAM	34 15.27	119 02.00		CAMARILLO HLS	GS/CIT/DWR	SEISM
CFT	34 02.11	117 06.66		CRAFTON HILLS	GS/CIT/DWR	SEISM
CH2	33 17.77	115 20.17		CHOCOLATE HLS	GS/CIT/DWR	SEISM
CFL	34 19.70	118 01.40		CHILAO FLATS	GS/CIT/DWR	SEISM
CIS	33 24.40	118 24.20		STA CATALINA	GS/CIT/DWR	SEISM
CKC	34 08.18	117 10.48		COOK CANYON	GS/CIT/DWR	SEISM
CLC	35 49.00	117 35.80		CHINA LAKE	GS/CIT/DWR	SEISM
CLI	33 08.45	115 31.64		CALIPATRIA	GS/CIT/DWR	SEISM
COA	32 51.81	115 07.36		COACHELLA	GS/CIT/DWR	SEISM
COK	32 50.95	115 43.61		COOK RANCH	GS/CIT/DWR	SEISM
COQ	33 51.63	117 30.58		CORONA QUARRY	GS/CIT/DWR	SEISM
COY	33 21.84	116 18.63		COYOTE MTN	GS/CIT/DWR	SEISM
CO2	33 50.83	115 20.68		COXCOMB MNS	GS/CIT/DWR	SEISM
CPE	32 52.80	117 06.00		CAMP ELLIOT	GS/CIT/DWR	SEISM
CPM	34 09.24	116 11.80		COPPER MTN	GS/CIT/DWR	SEISM
CPT	33 18.20	117 20.40		CAMP PENDLETO	GS/CIT/DWR	SEISM
CRG	35 14.53	119 43.40		CROCKER GRADE	GS/CIT/DWR	SEISM
CRR	32 53.18	115 58.10		CARRIZO MTN	GS/CIT/DWR	SEISM
CSP	34 17.87	117 21.33		CEDAR SPRINGS	GS/CIT/DWR	SEISM
CTW	33 40.78	115 52.31		COTTONWOOD MT	GS/CIT/DWR	SEISM
CWC	36 26.35	118 04.68		COTTONWOOD CK	GS/CIT/DWR	SEISM
DB2	33 44.10	117 03.72		DOUBLE BUTTE	GS/CIT/DWR	SEISM
DHS	33 55.58	116 23.13		DESERT HOT SP	GS/CIT/DWR	SEISM
EAG	33 50.94	115 28.39		EAGLE MTN	GS/CIT/DWR	SEISM
ECF	34 27.48	119 05.44		ECHO FALLS	GS/CIT/DWR	SEISM
ELR	33 08.84	115 49.95		ELMORE RANCH	GS/CIT/DWR	SEISM
FLS	34 58.23	117 02.32		FLASH PEAK	GS/CIT/DWR	SEISM
FNK	33 22.98	115 38.26		FRINK	GS/CIT/DWR	SEISM
FTC	34 52.25	118 53.51		FORT TEJON	GS/CIT/DWR	SEISM
GAV	34 01.35	117 30.74		GLEN AVON	GS/CIT/DWR	SEISM
GLA	33 03.10	114 49.60		GLAMIS	GS/CIT/DWR	SEISM
GRP	34 48.26	115 36.27		GRANITE PASS	GS/CIT/DWR	SEISM
GSC	35 18.10	116 48.30		GOLDSTONE	GS/CIT/DWR	SEISM
HAY	33 42.40	115 38.20		HAYFIELD	GS/CIT/DWR	SEISM
HDG	34 25.73	116 18.30		HIDALGO MTN	GS/CIT/DWR	SEISM
HOT	33 18.84	116 34.89		HOT SPRINGS M	GS/CIT/DWR	SEISM
IKP	32 38.93	116 06.48		INKOPAH	GS/CIT/DWR	SEISM
ING	32 59.30	115 18.61		INGRAM RANCH	GS/CIT/DWR	SEISM
INS	33 56.14	116 11.66		INSPIRATION	GS/CIT/DWR	SEISM
IRC	34 23.40	118 24.00		IRON CANYON	GS/CIT/DWR	SEISM
IRN	34 09.60	115 11.04		IRON MTN	GS/CIT/DWR	SEISM
ISA	35 39.80	118 28.40		ISABELLA LK	GS/CIT/DWR	SEISM

*GS/CIT/DWR is, U. S. Geological Survey, Cal Tech, and Dept. Water Resources

Abbr	Latitude	Longitude	Interval	Sta. Name	PI	Inst
JFS	35 21.06	117 40.33		JOSEPH FRANCI	GS/CIT/DWR	SEISM
JNH	34 26.85	117 57.27		JUNIPER HILLS	GS/CIT/DWR	SEISM
JUL	33 02.90	116 36.77		JULIAN	GS/CIT/DWR	SEISM
KEE	33 38.30	116 39.19		KEEN CAMP	GS/CIT/DWR	SEISM
KYP	34 06.11	118 52.77		KEY POINT	GS/CIT/DWR	SEISM
LED	34 28.06	115 56.19		LEAD MTN	GS/CIT/DWR	SEISM
LHU	34 40.30	118 24.70		LAKE HUGHES	GS/CIT/DWR	SEISM
LJB	34 35.46	117 50.88		LOVEJOY BUTTE	GS/CIT/DWR	SEISM
LRR	34 31.56	118 01.66		LITTLEROCK RE	GS/CIT/DWR	SEISM
LTC	33 29.34	115 04.20		LITTLE CHUCKW	GS/CIT/DWR	SEISM
LTM	33 54.90	114 55.10		LITTLE MARIA	GS/CIT/DWR	SEISM
MDA	33 54.78	116 59.97		MT DAVIS	GS/CIT/DWR	SEISM
MLL	34 05.48	116 56.18		MILL CREEK	GS/CIT/DWR	SEISM
MRV	34 03.68	116 32.58		MORONGO VALLE	GS/CIT/DWR	SEISM
MWC	34 13.40	118 03.50		MT WILSON	GS/CIT/DWR	SEISM
NW2	33 05.43	115 41.54		NEW RIVER	GS/CIT/DWR	SEISM
OBB	33 10.04	115 38.20		OBSIDIAN BT	GS/CIT/DWR	SEISM
PAS	34 08.95	118 10.29		PASADENA	GS/CIT/DWR	SEISM
PCF	34 03.19	117 47.44		POMONA	GS/CIT/DWR	SEISM
PEC	33 53.51	117 09.60		PERRIS	GS/CIT/DWR	SEISM
PEM	34 10.04	117 52.18		PINE MTN	GS/CIT/DWR	SEISM
PKM	34 53.75	119 49.13		PEAK MTN	GS/CIT/DWR	SEISM
PLM	33 21.20	116 51.70		PALOMAR MTN	GS/CIT/DWR	SEISM
PLT	32 43.87	114 43.76		PILOT KNOB	GS/CIT/DWR	SEISM
PNM	33 58.64	115 48.05		PINTO MTNS	GS/CIT/DWR	SEISM
POB	33 41.20	116 55.40		POLLY BUTTE	GS/CIT/DWR	SEISM
PSP	33 47.63	116 32.93		PALM SPRINGS	GS/CIT/DWR	SEISM
PTD	34 00.25	118 48.38		PT DUME	GS/CIT/DWR	SEISM
PYR	34 34.08	118 44.50		PYRAMID LK	GS/CIT/DWR	SEISM
RAY	34 02.18	116 48.67		RAYWOOD FLAT	GS/CIT/DWR	SEISM
RCH	34 18.44	116 21.03		RECHE MTN	GS/CIT/DWR	SEISM
RDM	34 24.00	117 11.10		ROUND MTN	GS/CIT/DWR	SEISM
RMR	34 12.77	116 34.52		RIMROCK	GS/CIT/DWR	SEISM
ROD	34 37.78	116 36.29		RODMAN MTN	GS/CIT/DWR	SEISM
RUN	32 58.33	114 58.63		RUTHVEN	GS/CIT/DWR	SEISM
RVM	34 10.81	114 12.02		RIO VISTA MIN	GS/CIT/DWR	SEISM
RVR	33 59.60	117 22.50		RIVERSIDE	GS/CIT/DWR	SEISM
RVS	34 02.08	114 31.08		RIVERSIDE MTN	GS/CIT/DWR	SEISM
RYS	34 38.60	119 21.10		REYES PK	GS/CIT/DWR	SEISM
SAD	34 04.86	118 39.90		SADDLE PK	GS/CIT/DWR	SEISM
SBAI	34 00.80	119 26.23		ANACAPA IS	GS/CIT/DWR	SEISM
SBB	34 41.30	117 49.50		SADDLEBACK BU	GS/CIT/DWR	SEISM
SBCC	34 56.38	120 10.32		COLSON CANYON	GS/CIT/DWR	SEISM
SBCD	34 22.12	119 20.63		CASITAS DAM	GS/CIT/DWR	SEISM
SBC	34 26.50	119 42.80		STA BARBARA	GS/CIT/DWR	SEISM
SBLC	34 29.79	119 42.81		LE CUMBRE PK	GS/CIT/DWR	SEISM
SBLG	34 06.87	119 03.85		LAGUNA PK	GS/CIT/DWR	SEISM
SBLP	34 33.57	120 24.02		LOMPOC	GS/CIT/DWR	SEISM
SBSC	33 59.68	119 37.99		STA CRUZ	GS/CIT/DWR	SEISM
SBSM	34 02.24	120 21.01		SAN MIGUEL IS	GS/CIT/DWR	SEISM
SBSN	33 14.68	119 30.38		SAN NOCOLAS	GS/CIT/DWR	SEISM
SCI	32 58.80	118 32.80		SAN CLEMENTE	GS/CIT/DWR	SEISM
SCY	34 06.37	118 27.25		STN CANYON RE	GS/CIT/DWR	SEISM

Abbr	Latitude	Longitude	Interval	Sta. Names	PI	Inst
SDW	34 36.55	117 04.45		SIDEWINDER MN	GS/CIT/DWR	SEISM
SGL	32 38.95	115 43.52		SIGNAL MTN	GS/CIT/DWR	SEISM
SHH	34 11.26	115 39.27		SHEEP HOLE MT	GS/CIT/DWR	SEISM
SIL	34 20.87	116 49.60		SILVER PK	GS/CIT/DWR	SEISM
SIP	34 12.24	118 47.94		SIMI PK	GS/CIT/DWR	SEISM
SME	33 49.36	117 21.32		STA ROSA MN	GS/CIT/DWR	SEISM
SMO	33 32.15	116 27.70		SANTA ROSA MT	GS/CIT/DWR	SEISM
SNS	33 25.90	117 32.90		SAN ONOFRE	GS/CIT/DWR	SEISM
SNR	32 51.71	115 26.21		SCHAFFNER RNC	GS/CIT/DWR	SEISM
SPM	34 28.32	115 24.16		SHIP MTN	GS/CIT/DWR	SEISM
SSK	34 12.97	117 41.32		SUNSET PK	GS/CIT/DWR	SEISM
SS2	34 13.02	117 29.34		SAN SAVAINE	GS/CIT/DWR	SEISM
SUP	32 57.31	115 49.43		SUPERST MTN	GS/CIT/DWR	SEISM
SWM	34 43.00	118 35.00		SAWMILL	GS/CIT/DWR	SEISM
SYP	34 31.63	119 58.67		STA YNEX PK	GS/CIT/DWR	SEISM
TCC	33 59.67	118 00.77		TURNBULL CANY	GS/CIT/DWR	SEISM
TIN	37 03.30	118 13.70		TINEMAHA	GS/CIT/DWR	SEISM
TMB	35 05.24	119 32.08		TEMBLOR RNG S	GS/CIT/DWR	SEISM
TPC	34 06.35	116 02.92		TWENTYNINE PL	GS/CIT/DWR	SEISM
TPO	34 52.73	118 13.66		TROPICO HILL	GS/CIT/DWR	SEISM
TTM	34 20.12	114 49.65		TURTLE MTN	GS/CIT/DWR	SEISM
TWL	34 16.70	118 35.67		TWIN LAKES	GS/CIT/DWR	SEISM
VG2	33 49.91	116 48.55		VISTA GRANDE	GS/CIT/DWR	SEISM
VPD	33 48.90	117 45.70		VILLA PARK DM	GS/CIT/DWR	SEISM
VST	33 09.40	117 13.90		VISTA	GS/CIT/DWR	SEISM
WIS	33 16.56	115 35.58		WISTER	GS/CIT/DWR	SEISM
WLK	33 03.08	115 29.44		WIEST LAKE	GS/CIT/DWR	SEISM
WML	33 00.91	115 37.35		WESTMORELAND	GS/CIT/DWR	SEISM
WWR	33 59.51	116 39.36		WHITEWATER	GS/CIT/DWR	SEISM
YEG	35 26.18	119 57.56		YEGUAS MTN	GS/CIT/DWR	SEISM
YMD	32 33.28	114 32.68		YUMA DESERT	GS/CIT/DWR	SEISM
DTI	33 47.77	118 13.25	CON	DOWNHOLE TERM	USC/TENG	SEISM
FMA	33 42.75	118 17.47	CON	FORT MACARTHU	USC/TENG	SEISM
LNA	33 47.35	118 03.27	CON	LOS ALAMITOS	USC/TENG	SEISM
RCP	33 46.66	118 08.00	CON	RECREATION PK	USC/TENG	SEISM
LCL	33 50.00	118 12.41	CON	LOS CERRITOS	USC/TENG	SEISM
GFP	34 07.76	118 18.59	CON	GRIFFITH PK	USC/TENG	SEISM
LCM	34 01.07	118 17.22	CON	LOS ANG CNT M	USC/TENG	SEISM
HCM	33 59.64	118 22.98	CON	HOLY CROSS MA	USC/TENG	SEISM
IPC	33 58.24	118 20.07	CON	INGLEWOOD PK	USC/TENG	SEISM
DHB	34 01.05	118 23.13	CON	DOWNHOLE BALD	USC/TENG	SEISM
TPR	34 05.33	118 35.20	CON	TRIPPETT RANC	USC/TENG	SEISM
PKL	34 26.84	119 36.98	CON	PK LN RESERV	USC/TENG	SEISM
VTR	34 24.25	119 42.91	CON	VIC TRACE RES	USC/TENG	SEISM
BRH	34 23.53	119 26.97	CON	BARROWS RANCH	USC/TENG	SEISM
DCA	34 18.74	119 33.67	CON	DOS CUADRAS A	USC/TENG	SEISM
DCB	34 17.26	119 36.26	CON	DOS CUADRAS B	USC/TENG	SEISM
DCC	34 18.59	119 39.31	CON	DOS CUADRAS C	USC/TENG	SEISM
DCE	34 22.07	119 37.31	CON	DOS CUADRAS E	USC/TENG	SEISM
PVE	33 47.20	118 24.15	CON	PAS VERDES ES	USC/TENG	SEISM
SBI	33 28.84	119 01.72	CON	STA BARB ISL	USC/TENG	SEISM
CIW	33 27.92	118 33.18	CON	STA CATAL W	USC/TENG	SEISM
DT	34 09.74	117 49.15	CON	DALTON TUNN	USC/TENG	SEISM